

SERVICE MANUAL

AE-5 chassis

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
WW OOFVC	CD			I/V OOFV			

KV-29FX65B RM-887 FRENCH SCC-Q13H-A **KV-29FX65E** RM-887 ESP SCC-Q14H-A

KV-29FX65K RM-887 OIRT SCC-Q16L-A

FD Trinitron







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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

WARNING!!

AN ISOLATION TRANSFORMER MUST BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED A ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

APRES AVOIR DECONNECTE LE CAP DE'LANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE.

ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÈ LORS DE TOUT DÈPANNAGE LE CHÁSSIS DE CE RÈCEPTEUR EST DIRECTMENT RACCORDÈ Á L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SECURITÈ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE & SUR LES SCHÈMAS DE PRINCIPE, LES VUES EXPLOSÈES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÈCURITÈ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPSANTS SONY DONT LE NUMÈRO DE PIÈCE EST INDIQUÈ DANS LE PRÈSENT MANUEL OU DANS DES SUPPLÈMENTS PUBLIÈS PAR SONY.

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
French	B/G/H, L,I	GERMAN/NICAM Stereo	VHF: E02-E12, R01-R12 UHF: E21-E69, R21-R69 CABLE TV: S01-S20, B-Q HYPER: S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
Spanish	B/G/H	GERMAN /NICAM Stereo	VHF: E02-E12, R01-R12 UHF: E21-E69, R21-R69 CABLE TV: S01-S05, S1-S20 HYPER: S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
OIRT	B/G/H, D/K	GERMAN /NICAM Stereo	VHF: E02-E12, R01-R12 UHF: E21-E69, R21-R69 CABLE TV: S01-S20 HYPER: S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)

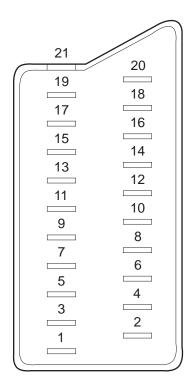
Model	KV-29FX65B	KV-29FX65E	KV-29FX65K
Power Consumption	121W	121W	121W

•	Design and specifications are s	subject to change without no	tico
S Video input	4 pin DIN		
Video inputs	phono jacks	Weight	Approx 95g (not including battery)
Audio inputs	phono jacks	Dimensions	Approx 210x45x23mm (w/h/d)
Headphone jack	stereo mini jack	Power requirements	3V dc 2 batteries IEC designation R6 (size AA)
Input/Output Terminals [Fi	RONT]	Remote control system	Infrared control
Phono Jacks	Output Connectors variable for Audio Signals	Other Features	Nextview, Noise Reduction,2000 Page Text Memory, Graphic Equaliser
3: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs for Video and Audio signals (monitor out)	Supplied Accessories	RM-887 Remote Commander (1) IEC designated R6 battery (2)
2: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs of TV Video and Audio signals. (selectable)	Weight	Approx 56kg
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Dimensions	Approx 771x585x506mm
Input/Output Terminals [R	EAR]	Power Requirements	220 - 240V
Picture Tube	FD Trinitron Wide Approx 72 cm (29 inches) (Approx 68 cm picture measured diagonally) 104 degree deflection	Sound output Subwoofer	Right and Left speaker 2x20W (Music Power) 2x10W (RMS) 1x30W (Music Power) 1x15W (RMS)
	ED Trinitron Wido	Cound output	Pight and Laft angelor

Design and specifications are subject to change without notice.

Model Name Item	KV-29FX65B	KV-29FX65E	KV-29FX65K
Pal Comb	OFF	OFF	OFF
PIP	OFF	OFF	OFF
RGB Priority	ON	ON	ON
Woofer Box	ON	ON	ON
Scart 1	ON	ON	ON
Scart 2	ON	ON	ON
Scart 3	ON	ON	ON
Front in (4)	ON	ON	ON
Projector	OFF	OFF	OFF
AKB in 16:9 mode	ON	ON	ON
Norm B/G	ON	ON	ON
Norm I	OFF	OFF	OFF
Norm D/K	ON	ON	ON
Norm AUS	OFF	OFF	OFF
Norm L	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF
Norm M	OFF	OFF	OFF
Teletext	ON	ON	ON
Nicam Stereo	ON	ON	ON

21 pin connector

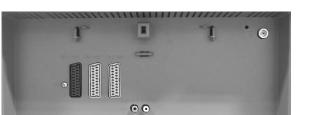


Pin No	1	2	3	Signal	Signal level
1	0	0	0	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	0	0	0	Audio output B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3	0	0	0	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	0	0	0	Ground (audio)	
5	0	0	0	Ground (blue)	
6	0	0	0	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7	0	•	•	Blue input	0.7 +/- 3dB, 75 ohms positive
8	0	0	0	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedence : More than 10K ohms Input capacitance : Less than 2nF
9	0	0	0	Ground (green)	
10	0	0	0	Open	
11	0	•	•	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	0	0	0	Open	
13	0	0	0	Ground (red)	
14	0	0	0	Ground (blanking)	
45	0	-	-	Red input	0.7 +/- 3dB, 75 ohms, positive
15	-	0	0	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	0	•	•	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
17	0	0	0	Ground (video output)	
18	0	0	0	Ground (video input)	
19	0	0	0	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	0	-	_	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	-	0	0	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	0	0	0	Common ground (plug, shield)	

Onnected

Not Connected (open) * at 20Hz - 20kHz

Rear Connection Panel



Front Connection Panel



	S Video socket pir	configuration
Pin No	Signal	Signal Level
1	Ground	-
2	Ground	-
3	Y (S signal) input	1V+/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB
4	C (S signal) input	0.3V+/- 3dB 75ohm, positive Sync.

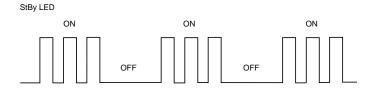
AE-5 SELF DIAGNOSTIC SOFTWARE

The identification of errors within the AE-5 chassis is triggered in one of two ways: - 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1., non fatal errors are reported using this method.

Diagnostic Item Description	No of times Standby LED Flashes	Probable cause Location	Detected Symptoms
Power does not turn on	Does not light	Power cord is not plugged in. Fuse is open circuit.	Power does not come on No power is supplied to the TV AC power supply is faulty
+B Overcurrent (OCP)	2 times	H.OUT (Q6803/6804) is shorted. (D Board) Linearity FET (Q6806) is shorted. (D Board) IC6604 Power IC is shorted. (D Board)	Power does not come on Load on power line has shorted
Vertical Deflection stopped	4 times	+15V is not supplied R6835 open (D Board) -15V is not supplied R6834 open (D Board) IC6700 is shorted (D Board)	Vertical deflection pulse has stopped Power line has shorted

Error Message	LED Flashes
No error	00
Reserved	01
OCP (Over Current Protection)	02
OVP (Over Voltage Protection)	03
Vertical Protection	04
Unstable AKB (check starts after 30's, enable TT61 disable TT62)	05
Horizontal Protection	06
Speaker Protection	07
I2C bus 0 error	08
M-B Tele-Text-Decoder	09
M-B ST24C32, NVM	10
J-B TDA9320, Main Colour Decoder	11
B1/B2-B Feature Box	12
B1-B D/A-Converter	13
E-B Backend	14
J-B MSP3410D, Sound Processor	15
J-B CXD2057, Auto Wide	16
External RAM	17

Flash Timing Example: e.g. error number 3



Error Detection Monitor

Device acknowledge is used to check IIC errors. Device acknowledge is checked by sending an IIC start sequence during CRT power on. Each device is checked three times, if there is no acknowledge after each attempt, it will be regarded as an error.

There are three steps to check for errors.

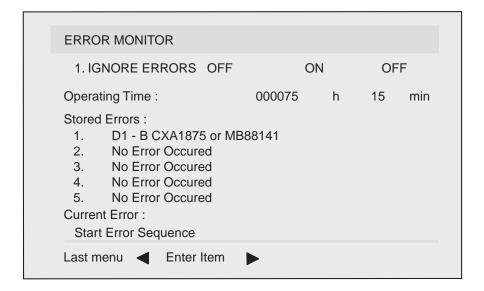
- 1. IIC line 0
 - If all devices except the NVM have errors, IIC line 0 error is displayed.
- 2. Board check
 - If all devices mounted on one board have errors, board error is displayed.
- 3. Each device check
 - If IIC line error and board error are not detected then the device with the error is displayed.

The detected errors can be displayed as follows:

- 1. Error Monitor Menu.
- 2. Error Reader.

1. Error Monitor Menu

Error Display Mode is entered by the following sequence of commands Standby -> Information -> Digit 5 -> Volume Down -> TV



2. Error Reader Display

The error reader display is connected to the service connector to read actual error codes. The part number for the error reader display is S-188-900-10. Once an error has been detected it will then be displayed on the two digit error reader. The errors displayed refer to the following table.

Error Code	Error Message
000h	No error occurred
001h	Bus error, IIC0
002h	Bus error, IIC1
100h	A-Board
101h	A-B CXA1875, Port Expander
102h	A-B TU1326, Main Tuner
103h	A-B TU1350, Sub Tuner
200h	B1-Board
201h	B1-B P83C654, Feature Box B1-B. SDA9280, D/A Convertor
202h	B1-B P83C654, Feature Box B1-B. SDA9280, D/A Convertor
300h	B2-Board
301h	B2-B. SAA4977, BESIC
302h	B2-B. SAA495X, Field Memory
400h	B3-Board
401h	B3-B. MID-X
402h	B3-B. Panorama
403h	B3-B. DRC
404h	BK-B. Picture Booster
500h	D1-Board
501h	D1-B CXA8070, Dynamic Convertor
502h	D1-B CXA1875, Port Expander
600h	E-Board
601h	E-B CXD2100, Backend
700h	J-Board
701h	J-B CXD2057, Auto Wide
702h	J-B SDA9288, PIP
703h	J-B Sub Colour Decoder
704h	J-B Main Colour Decoder
705h	J-B CXA1875, Sub-Sound
706h	J-B TDA7309, HP-Amplifier
707h	J-B TEA6422DT, Audio Switch
708h	J-B MSP3410D, Sound Processor
709h	J-B TC9337F, Sound DSP
70Ah	J-B CXA21X69, AV Switch
800h	M-Board
801h	M-B ST24C32, NVM

SECTION 1 GENERAL

Instruction Manual'. The page numbers of the 'Operating Instruction Manual' remain The operating instructions mentioned here are partial abstracts from the 'Operating as in the manual.

Installation

6. Tuning your TV

Before you tune your TV, you will be asked to set your language and country

- The Language/Country menu appears on the TV screen with the word 'English' highlighted.
- Press the \triangle or ∇ buttons on the remote control to select your chosen language then press the OK button to confirm.

Select Language: ▲▼ Confirm: ▶

Press ▲ or ▼ to select the country in which you wish to operate the TV then press the OK button to confirm your choice. Select 'OFF' if you do not want your channels stored in a given channel sequence starting from programme position 1.

- The 'autotune' menu appears on the TV screen in your selected language. Press the OK button to confirm.
- button to confirm. The TV starts to automatically search and store all available channels for you. This may take a few minutes please be patient and do not press any buttons. Ensure the aerial is connected as instructed, then press the OK
- press the OK button to confirm. The selected channel now moves to its new programme position and the other channels move want to move, then press ▶. Press the ▲ or ▼ buttons to select the new programme number position for your selected channel then Once the TV has tuned all available channels the 'Programme Sorting' menu appears on the TV screen enabling you to change the order of the channels on your TV. If you wish to change the channel order, press the ▲ or ▼ buttons to select the channel you accordingly. Repeat this procedure if you wish to sort the order of other channels on your TV.
- Press the MENU button to remove the menu from the TV screen.

Select Prog: ▲▼ Confirm:▶

Press the PROGR+/- or the numbered buttons to view the TV

Note: If you would like to stop the autotune process at any stage, press the OK button.

NexTView*

depending on availability of service



NexTView is an electronic programme guide with up to 1 week* of programme information on those channels included in the selected provider.

*If the data exceeds the memory of NexTView, you will get information on less than 7 days.

When looking for information you can search by theme (sports, art etc.), date or time (e.g. broadcasts between 8 and 9 p.m.). When you've found a programme you can go directly to this programme, use the timer to remind you of it or preset your VCR with Smartlink.

The NexTView provider is responsible for the contents of the guide. The TV set is responsible for the presentation, that is the menu structure and the navigation, if there is none from the provider. If there is a navigation from the provider the basic operation with the joystick is the same as described in the Sony navigation. \odot

At first you need to select a channel providing a NexTView service. In this case the indication "NexTView" is displayed as soon as all data is available. When you later change the channel you can still select this NexTView service.

1. Press @ to switch NexTView on and off.

Operation using the Sony navigation

\$ O O O **S**

Yes: OK No: ▲

Do you want to start automatic tuning?

HOOM (

Please confirm that aerial is connected

Yes: OK No: ▲

- 2. Use the joystick buttons as follows
- moving up or downwards within a column: Use ▲ or ▼.
 - going to the left columns time and date: Use ◀.
 - going to the right column icons: Use . Confirming a selection: Press OK.

SONY

while in the columns date, time or icon (themes), the programme list changes according to the selection.

while in the programme list, confirming a running broadcast brings you directly to the TV programme or confirming a future programme brings you to the long info menu. <u>e</u> <u>e</u>





7. Finding your video channel

If you have connected a VCR to your TV, you now need to find your video channel.

1. Press the PROGR+/- buttons on the TV remote control until your video picture appears on the TV screen.

Note: If you wish to move your video channel to a different programme position, refer to the 'Re-arranging the TV channels' section of this instruction manual.

Operation

NexTView*

Individual Setting

When you select 💻 there will be no personal pre-selection. ©, lets you make your own individual selection of themes, limiting the search to the marked ones.

- Select⊕, using A or V. Push P to enter.
 The menu Individual Settings is displayed.
- Select the item you wish to mark using ▲ or ▼. Confirm by pressing OK.
- Repeat step 2 for all the items you wish to have in your list.

 3. When finished with the list, select → using ▶ and press OK.

Using the 'Long Info' menu

I. Select a future programme in the column programme list using \blacktriangle or \blacktriangledown . Press OK. The long info menu is displayed.

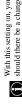


You may wish to record the selected programme with your VCR. (only with Smartlink VCRs)

9



Setting up ypur VCR



With this setting on, you have the guaranteed recording of the whole broadcast should there be a change in the TV programme. This only works if the selected channel broadcasts a VPS/PDC signal.

- Select On or Off using OK.
- Select Speed using ▼.

Select between standardplay (SP) or longplay (LP) mode. With longplay you can record twice as much on a videotape. The picture quality, however, may suffer.

- Select SP or LP using OK.
- Select VCR Setup using ▼.

Select which of the connected Smartlink VCRs you wish to programme.

- Select VCR 1 or 2 using OK.
- Select → using ▶. Press OK. You are back in the last menu. 9

Operation

Feletext

Most TV channels broadcast information via Teletext. The index page of the teletext service (usually page 100) gives you information on how to use the service. Please use a TV channel with a strong signal, otherwise there may be Teletext errors.

Switching Teletext on and off

- 1. Select the TV channel which carries the teletext service you want to view.
 - 2. Press the putton once to get Teletext only.
 - Press

 twice for Mix mode.
- 4. Press (a third time to switch off Teletext.

Selecting a Teletext page

Input three digits for the page number using the numbered buttons on the remote control. If you make a mistake, type in any three digits then re-enter the correct page number.

Using Other Teletext Functions

Selecting the next or preceding page Press the $\ensuremath{\mathfrak{G}}$ or $\ensuremath{\mathfrak{G}}$ buttons on the remote control to select the previous or next page.

Selecting a sub page

A teletext page may consist of several sub pages. In this case an information line is displayed, showing the number of subpages. Select the sub page by pressing \triangle or $\overline{\nabla}$.

To freeze a Teletext page

Press the 🔁 button to freeze the page. Press again to cancel the freeze.

Revealing concealed information Press the ② button to reveal information. Press again to conceal the information.

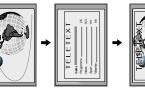
Using colour buttons to access pages (Fastext)

(only available if the TV station broadcasts Fastext signals) When the colour coded menu appears at the bottom of a page, press a coloured button on the remote control (green, red, yellow or blue) to access the corresponding page.

Using the feature 'Page Catching'

I. Press the numbered buttons on the remote control to select a teletext page which has

- several page numbers on it (eg the index page).
 - Press the OK button.
- Press ▲ or ▼ to select the desired page number then press the OK button. The requested page is displayed after some seconds.

















Operation

Teletext

- menu on the TV screen.
- 2. Press \triangle or ∇ to select your chosen item on the screen then press \triangleright to display the relevant
- To remove the Teletext menu from the screen, press the MENU button.

Top/Bottom/Full

The Top/Bottom/Full sub menu allows you to enlarge different sections of the Teletext page. Press \blacktriangle to enlarge the upper half of the screen, Press \blacktriangledown to enlarge the lower half. Press the OK button to restore the page to normal size. Press \blacktriangleleft to return to the Teletext menu screen.



Text Clear

- Press the $\textcircled{\textbf{B}}$ button on the remote control to select full screen text. Press the MENU button to display the 'Teletext' menu.
- The current TV channel is displayed. Once the text page has been found a blue (
 - symbol will appear in the top left hand corner of the screen.
 - Press the putton on the remote control to view the page.

Reveal

- In text mode press the MENU button on the remote control to access the 'Teletext' menu.
 Press ▲ or ▼ to highlight 'Reveal' and press ▶ to select. The hidden information is displayed on the screen.

*depending on availability of service.

Time Page allows a time-coded Teletext page (such as an alarm page), to be displayed at a set

- 1. In Text mode press the MENU button on the remote control to access the 'Teletext'
- is displayed. Enter the desired page number using the numbered buttons on the remote control.



Using the TV menu system

The TV consists of a menu system which is based on a series of user friendly on-screen displays and menus. These displays will help you get the most from your TV, helping you to change picture and sound settings, to alter the size of the TV picture and to rearrange the TV channels etc.

Adjusting the picture and sound

The picture and sound are preset at the factory. You can however adjust them to suit your own taste.

- Press the MENU button on the remote control to display the menu on the TV screen.
- 2. Press the \triangle or ∇ buttons to select \triangle for picture settings or \triangle for sound settings then press ▶ to enter either the 'Picture Adjustment' menu or the 'Audio Adjustment' menu
- Press the ▲ or ▼ buttons to select the item on the screen you wish to adjust then press ▶ to confirm. For a description of the menu items and their effects, see the table below.
 Press the ▲, ▼, ▶ or ◀ buttons to adjust your selected item.
- 5. As soon as you have adjusted the item, press the OK button to store the new setting.

 - 6. Repeat steps 3-5 if you wish to adjust any of the other items.7. Press the MENU button to remove the menu from the TV screen.

Picture Control

ltem	Effect/Operation	ion	
Picture Mode	▼ Live (fo	Live (for live broadcasts) Personal (for individual settings)	
	▲ Movie (Movie (for movie broadcasts)	
Contrast	Less	More	
Brightness*	Darker •	Brighter	
Colour*	Fess ▼	More	
Hue**	Reddish A	Greenish	
Sharpness*	Softer	Sharper	

Select: ▲▼ Enter: ▶

l

*Only available if 'Personal' is selected in 'Picture Mode'
**Only available for NTSC colour signal (eg. US video tapes)

Reset	Reset	s picture	Resets picture to the factory preset levels
AI	•	On:	Automatic optimization of contrast level
(Aluncial intensence)	•	Off:	according to the 1 v signal. Normal.
Noise Reduction	•	On:	Reduces picture noise in case of a weak
	4	Off:	broadcasting signal. No noise reduction.
Colour Tone	•	Warm:	Warm: Gives a warm tint to the picture.
	•	Cool:	Gives a cool tint to the picture.

Using the Teletext menu

- 1. With Teletext switched on, press the MENU button on the remote control to display the

5

Text Clear is a function that displays a TV channel while a Teletext page is being searched for.

- Press ▲ or ▼ to highlight 'Text Clear' and press ▶ to select.

Some Teletext pages contain hidden information (eg for a quiz), which can be revealed.

Time Page*

- menu.
- 2. Press ▲ or ▼ to highlight 'Time Page' and press ▶ to select. The 'Time Page' sub menu
- Enter the desired time using the remote control.
- Press OK to confirm the settings. The TV will exit Teletext mode and the time will be displayed in the top left hand comer of the screen. At the requested time the desired page $\frac{1}{2}$

Page Overview*

*only available if TOP-Text is transmitted by the TV station.

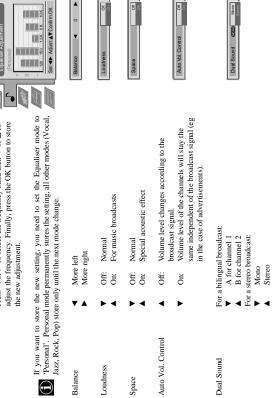
In this menu the TOP-Text pages are divided into two columns, the first column showing 'blocks' of pages and the second showing 'groups' of pages.

Using the TV menu system:

Sound Control

Item	Effect/Operation	Aud
Equaliser Mode	▼ Personal	Equa
	Vocal	Balar
	Jazz	buol
	Rock	Auto
	Pop	200
	► Flat (fixed setting, cannot be adjusted)	98
Equaliser adjustment	You can adjust the mode selected in Equaliser mode by	
	cutting and boosting the 5 selected frequency bands.	
	Press \triangleleft or \triangleright to select the frequency band then \triangledown or \triangle to	•
	adjust the frequency. Finally, press the OK button to store	4
	the new adjustment.	497





Using the TV menu system:

Using the Features menu

- 1. Press the MENU button on the remote control to display the menu on the TV screen.
- 2. Press the ▲ or ▼ buttons to select ★ for the 'Features' menu then press ▶ to enter the 'Features'
- 3. Press the ▲ or ▼ buttons to select the desired menu item then press ▶ to confirm. For a description

 - of the menu items and their effects, see the table below.

 Press the ▲ ▼ ▶ or ◆ buttons to select the desired setting.

 Press the OK button to confirm your choice of setting.

 Repeat steps 3-5 if you wish to select any of the other items.

 Press the MENU button to remove the menu from the TV se

Effect/Operation

ltem

tems.	the menu from the TV screen.
slect any of the other items.	from the
t any of	the menu
se	e th

Select: ▲▼ Enter:▶

*

	Sleep Timer 10 min	Parental Look or	5	AV 2 Output TV NV 1
You can select a time after which the TV switches itself into standby mode. ▼ Off	▲ 90 min	▼ Off: No parental lock. ▲ On: This feature disables the TV buttons when the set is in standby mode. It is only possible to switch the set back on by pressing a button on the remote control.	▼ TV audio/video signal from the aerial ∏ AVI audio/video signal from sear 1 AVI audio/video signal from sear 2 AVI audio/video signal from sear 2	AN audio/video signal from connectors on front of the TV AV4 audio/video signal from connectors
Sleep Timer		Parental Lock	AV2 Output	

Changing the screen size

This feature allows you to change the size of the TV picture.



conventional 4:3 picture size, full picture information. for 16:9 broadcasts. 4:3 16:9

When NICAM stereo is being broadcast, the indication NICAM appears briefly on the screen.

Adjusts headphone volume.

Can also adjust the volume level of additional equipment connected to the RCA sockets on the rear of the TV.

For a bilingual broadcast:

▼ A for channel 1

▲ B for channel 2

? Dual Sound

Headphones () Volume

A for channel 1 B for channel 2



Using the TV menu system:

Re-arranging the TV channels

After tuning the TV, you can use this feature to change the order of the channels on the TV.

- 1. Press the MENU button on the remote control to display the menu on the TV screen
- Press the ▼ button to select the ♠ symbol on the menu screen then press ▶ to enter the 'Set Up'

Select: ▲▼ Enter:▶

- Press the ▼ button to select 'Programme Sorting' then press ▶ to enter the 'Programme Sorting'
- Press the \triangle or ∇ buttons to select the channel you want to move then press \triangleright to confirm.
- channel then press the OK button to confirm. The selected channel now moves to its new Press the ▲ or ▼ buttons to select the new programme position (eg PROG 4) for your selected programme position and the other channels move accordingly.
- 6. Repeat steps 4 and 5 if you wish to sort the other channels.
- 7. Press the MENU button to remove the menu from the TV screen.

Manually tuning the TV

- You have already tuned the TV automatically using the instructions at the start of this manual. You can however carry out this operation manually, adding channels to the TV, one at a time.
- Press the MENU button on the remote control to display the menu on the TV screen.
- 9 Press the \blacktriangledown button to select the \boxminus symbol on the menu screen then press \blacktriangleright to enter the 'Set Up'
- Press the \blacktriangledown button to select 'Manual Set Up' on the menu screen then press \blacktriangleright to enter the 'Manual

Select: ▲▼ Erner:▶

Press the ▼ button to select 'Manual Programme Preset' on the menu screen then press ▶ to enter the 'Manual Programme Preset' menu.

- Press the \triangle or ∇ buttons to select a programme number for your channel (eg PROGR 1 for BBC1) then press \triangleright to highlight the 'SKIP' column.
- 6. Press ▲ to select 'OFF' then press ▶ to highlight the 'SYS' column.

- Press the ▲ or ▼ buttons to select the TV broadcast system or 'EXT' for a video input source (AV1, AV2, ...) then press ▶ to confirm.
 - Press the \blacktriangle or \blacktriangledown buttons to select 'C' for terrestrial channels, 'S' for cable channels, or 'F' for direct frequency inputs then press \blacktriangleright to confirm.
- Select the first number digit of 'CH' (channel) then the second number digit of 'CH' with the number buttons on the remote control or Press the ▼ button to search for the next available channel.
- If you do not wish to store this channel on the programme number you selected, press the \blacktriangle or \blacktriangledown buttons to continue searching for the desired channel.
- 11. If this is the channel you wish to store, press the OK button.
- 12. Repeat steps 5-11 if you wish to store more channels then press the MENU button to remove the menu from the TV screen.

Using the TV menu system:

Naming a channel

Names for channels are usually taken automatically from Teletext if available. You can however name a channel or an input source using up to five characters (letters or numbers).

- 1. Press the MENU button on the remote control to display the menu on the TV screen.
- Press the lacktriangle button to select the lacktriangle symbol on the menu screen then press lacktriangle to enter the 'Set Up' menu.
- Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up'

Select: ▲▼ Enter: ▶





- Press the ▲ or ▼ buttons to select the channel you wish to name.
- Press the ▶ button repeatedly until the first element of the 'LABEL' column is highlighted.

4 •

- Press the ▲ or ▼ buttons to select a letter or number (select '-' for a blank) then press ▶ to confirm. Select the other four characters in the same way.
- 8. After selecting all the characters, press the OK button.

- ME

- Repeat steps 5 to 8 if you wish to label other channels.
- 10. Press the MENU button to remove the menu from the TV screen.

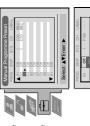
Skipping programme positions

This function enables you to skip unused programme positions when selecting them with the PROGR+/- buttons. However, by using the number buttons you can still select the skipped programme position.

- 1. Press the MENU button on the remote control to display the menu on the TV screen.
- Press the lacktriangle button to select the lacktriangle symbol on the menu screen then press lacktriangle to enter the 'Set Up' menu.
- Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up'

Select: ▲▼ Enter: ▶

- Press the ▼ button to select 'Manual Programme Preset' then press ▶ to enter the 'Manual Programme Preset' menu.
- Press the ▲ or ▼ buttons to select the programme position then press ▶ to highlight the
- Press the \blacktriangle or \blacktriangledown buttons to select 'Off' or 'On' (if you wish to skip this programme position) then press the OK button to store.
- 7. Repeat steps 5 and 6 if you wish to skip or unskip further programme positions.
- Press the MENU button to remove the menu from the TV screen.



Using the TV menu system:

Using the Further Programme Preset feature

c) manually fine-tune the TV to obtain a better picture reception if the picture is distorted or d) preset the AV output for the programme positions of channels with scrambled signals (eg from a pay TV decoder). In this way a connected VCR With this feature you can a) adjust the attenuation of each channel, b) individually adjust the volume level of each channel. records the unscrambled signal.

- 1. Press the MENU button on the remote control to display the menu on the TV screen.
- Press the lacktriangle button to select the lacktriangle symbol on the menu screen then press lacktriangle to enter the 'Set 5
- Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up' menu.

Select: ▲▼ Enter: ▶

- Press the ▼ button to select 'Further Programme Preset' then press ▶ to enter the 'Further
- Press the \triangle or $\overline{\lor}$ buttons to select the relevant programme number then press the $\overline{\lor}$ button repeatedly to select a) ATT b) VOL c) AFT or d) DECODER. The selected item changes ς.



9

Press the \triangle or Ψ buttons to switch attenuator 'on' or 'off". Press the OK button to confirm the selection. Repeat steps 5 and 6a if you wish to adjust the attenuation of the other channels.

b)VOL - **Volume Offset**Pess the \triangle or Ψ buttons to adjust the volume level (range -7 to +7) of the channel. Store by pressing the OK button. Repeat steps 5 and 6b if you wish to adjust the volume level of the

c) AFT - Automatic Fine Tuning

Press the ▲ or ▼ buttons to fine time the channel frequency over a range of -15 to +15. Press the OK button to confirm. Repeat steps 5 and 6c if you wish to fine tune other channels.

Press the \triangle or ∇ buttons to select AV1 or AV2 for the programme position then press the OK button to confirm. You can now attach a decoder to the AV1 or the AV2 socket on the back of the TV and the picture from that decoder will appear on this programme number. Repeat steps 5 and 6d to preset the AV output for other programme positions.

Press the MENU button to remove the menu from the TV screen.

Selecting the 'Demo' feature

This function provides an overview of some of the features available on the TV.

- Press the MENU button on the remote control to display the menu on the TV screen
- Press the ▼ button to select the 🖨 symbol on the menu screen then press ▶ to enter the
- Press the lacktriangle button to select 'Demo' then press lacktriangle to start the demonstration (which lasts for
- Press the button to remove the demonstration from the TV screen.

Select: ▲▼ Emer:▶



Using the TV menu system:

Adjusting the picture rotation

Because of the earth's magnetism the picture might slant. In this case you can readjust the picture



- Press the \blacktriangledown button to select the \boxminus symbol on the menu screen then press \blacktriangleright to enter the 'Set Up' menu
- Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up'

Select: ▲▼ Enter:▶

- Press the ▼ button to select 'Picture Rotation' then press ▶ to enter the 'Picture Rotation' sub menu
- Press the ▲ or ▼ buttons to rotate the picture over a range of -5 to +5 then press the OK
- 6. Press the MENU button to remove the menu from the TV screen.

Select: ▲▼ Enter: ▶



Adjusting the picture geometry for an RGB source

When connecting an RGB source such as a Sony Playstation you may need to readjust the geometry of the picture.

- Press the [€] button on the remote control to select the connected RGB source ^{€1}
- Press the MENU button to display the menu on the TV screen.
- 3. Press the ▼ button to select the 🖨 symbol on the menu screen then press ▶ to enter the 'Set

8

- Press the lacktriangle button to select 'Manual Set Up' on the menu screen then press lacktriangle to enter the 'Manual Set Up' menu
- Press the ▼ button to select 'RGB Set Up' on the menu screen then press ▶ to enter the 'RGB Set Up' sub menu.
- Press ▶ to select H Centre then press ▲ or ▼ to adjust the centre of the picture over a range of -10 to +10. Store the new range by pressing the OK button.
- Press ▶ to select H Size then press ▲ or ▼ to adjust the horizontal coordinates over a range of -10 to +10. Store the new range by pressing the OK button.
- Press the MENU button to remove the menu from the TV screen



Additional Information

Specifications

T.v. system	Sound output		
B/G/H, D/K	Left/Right: 2x/	Left/Right: 2x20W (Music Power)	
	2x	2x10W (RMS)	
Colour system	Sub woofer: 30	Sub woofer: 30W (Music Power)	
PAL, SECAM	15	15W (RMS)	
NTSC 3.58, 4.43 (only Video In)			
	Power consumption	nption	
Channel coverage	121W		
See the 'Channel Display Table' below.			

Picture tube FD Trinitron, Approx. 72cm (29 inches)

Dimensions (wxhxd) Approx. 771x585x506mm

Weight Approx. 51kg

(G-1/-G-1) including audio/
wideo input, RGB input, TV audiovideo output.
(G-2/-G-2) - 21-pin Euro connector (CENELEC standard) including audio/
video input, S-video input, Selectable audiovideo output.
(G-3/-G-3) - 21-pin Euro connector (CENELEC standard) including audio/
video input, S-video input, Selectable audiovideo output.
LGSR RCA connectors, variable output for audio signals. Rear Terminals

Accessories supplied RM-887 remote control (1) IEC designated size AA batteries (2)

Optional accessory
TV Stand: SU-29FX2 Other features

Front Terminals

RF In

H

Flat display Trinitron tube, noise reduction, graphic equaliser, 2000 page TEXT memory, personal ID, sleep timer, NexTView.

Design and specifications are subject to change without notice.

Video input -phono jacks Audio inputs - phono jacks S video input - 4 pin DIN Headphones jack - minijack stereo \$ \$ \$ \$ €:

Channel Display Table

	Receivable Channels	Channel Displays
B/G/H	E212, 2169	C02C12, C2169
KABEL-TV (1)	S1S41	S01S41
KABEL-TV (2)	801805	S42S46
	M1M10	S01S10
	011U10	S11.S20
ITALIEN	А, ВН, Н1, Н2	C13, C14C20, C11, C12
D/K	R01R12, R21R69	C01C12, C21C69
	S01S05	S42S46

Additional Information

Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

Problem	Suggested remedy
No picture (screen is dark), no sound	Plug the TV in.
	 Press the ① button on the front of the TV.
	 If the ⊕ indicator is on press the 1/⊕ button or a numbered
	button on the remote control.
	 Check the aerial connection. Turn the TV off for 3 or 4 seconds and then turn it on again
	using the ① button on the front of the TV.
Poor or no picture (screen is dark), but	Using the MENU system, select the Picture Alimeterant dividual Addington and colours
good somin.	Augment unspray. Augment une originaless, picture and colour balance levels.
	 From the Picture Adjustment display select RESET to return to the factory settings.
Good picture, no sound	 Press the ∠ button on the remote control.
	If X is displayed on the screen, press the X button on the
	remote control.
No colour on colour programmes	• Using the MENU system, select the Picture Adjustment
	 drspray and adjust the colour setting. From the Picture Adjustment display select RESET to return
	to the factory settings.
Distorted picture when changing programmes or selecting Teletext	 Turn off any equipment connected to the scart connectors on the rear of the TV.
Remote control does not function	Replace the batteries.
The standby indicator © on the TV flashes	Contact your nearest Sony service centre.
Interference on picture from external equipment	Reduce sharpness level.

- If you continue to have these problems, have your TV serviced by qualified personnel.
 NEVER open the casing yourself.

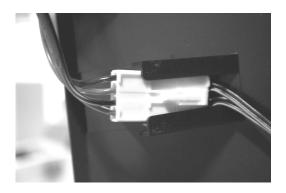
SECTION 2 DISASSEMBLY

2-1. Rear Cover Removal



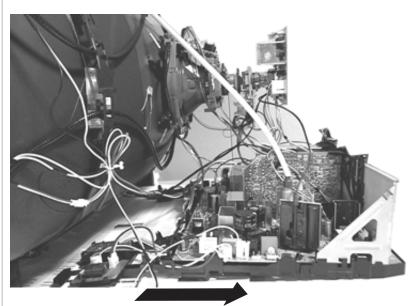
Remove the rear cover fixing screws indicated. Take care when removing the rear cover not to damage the speaker cables [Disconnect the speaker connector] as speakers are fitted inside the rear cover.

2-2. Speaker Connector Disconnection

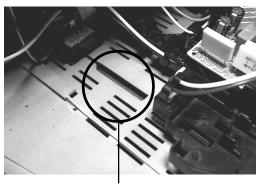


Before completely removing the rear cover disconnect the speaker connector which is located on the inside.

2-3. Chassis Removal and Refitting

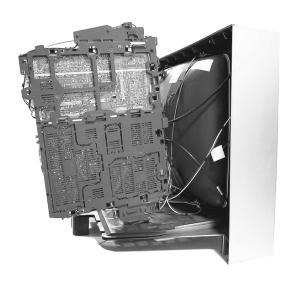


To remove lift the main bracket rear slightly and slide the chassis away from the beznet. Ensure that the interconnecting leads are released from their purse locks to prevent damage being caused.



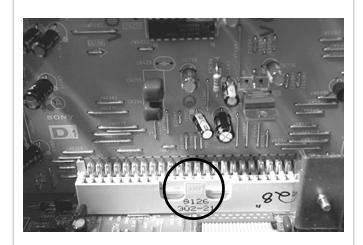
When refitting the chassis ensure that the main bracket is located in the beznet guide slots before sliding the chassis forwards. Refit the interconnecting leads in their respective purse locks.

2-4. Service Position



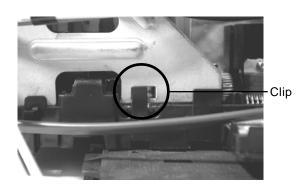
Position the PWB as indicated to access the solder side. To gain access to the D Board follow the instructions on page 19. [Removal and Replacement of the main bracket bottom plates].

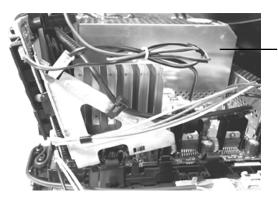
2-5. D1 Board Removal



To remove the D1 Board release the clip circled and gently remove the board in a vertical direction.

2-6. J Board Removal



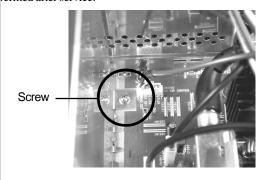


Shield case

Release the two metal bracket support clips located on either side of the chassis. Tilt the bracket very slightly away from the shield case indicated. Release the J board board socket retaining clip and carefully lift the complete assembly vertically.

2-7. B2 Board Removal

Follow the steps indicated in removal of the J board. With the assembly removed access to the B2 board shield is possible. To remove the shield locate and remove the two screws positioned on either side and at opposite ends of the shield. Release the B2 board clip and remove in a vertical direction. Please ensure that the screws are refitted after service.



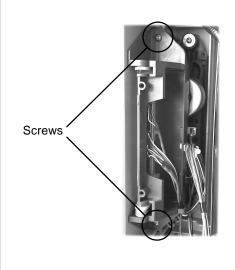
Note:

Removal of the B2, E, and M1 printed circuit boards follows the same procedure of releasing the securing clips as indicated in the fig for D1 board removal.

Take care not to apply to great a pressure to the clips as this may cause damage.

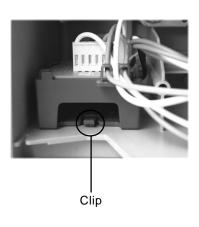
2-8. Side Control Module Removal

Remove the two screws fixing the user control module to the side of the set. The control module can then be removed by sliding it towards the rear of the set allowing access to the H7 Board.



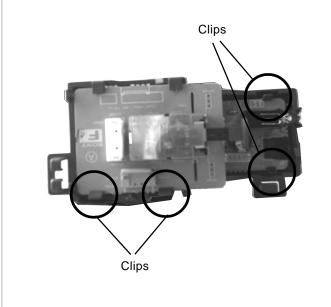
2-9. F4 Bracket Removal

Rrelease the clip circled and pull the bracket towards the rear of the set. The bracket can then be removed to allow access to the boards.



2-10. F4 and H8 Board Removal

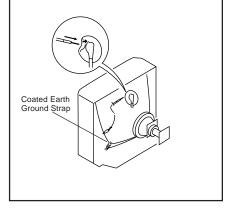
To remove the F4 and H8 Boards release the clips circled and ease the boards gently away from the support bracket.

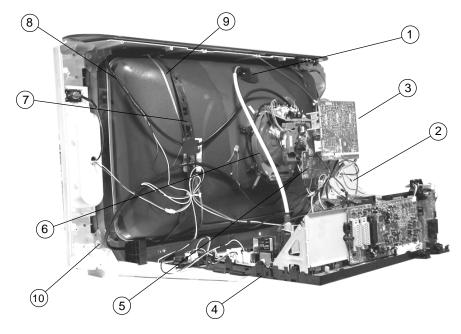


2-11. Picture Tube Removal

WARNING: BEFORE REMOVING THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT *before* attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.

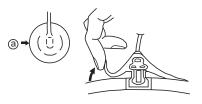




- 1. Discharge the anode of the CRT and remove the anode cap.
- Unplug all interconnecting leads from the Deflection yoke, neck assy, degaussing coils and CRT grounding strap.
- 3. Remove the C Board from the CRT.
- 4. Remove the chassis assembly.
- 5. Loosen the Neck assembly fixing screw and remove.
- 6. Loosen the Deflection yoke fixing screw and remove.
- Place the set with the CRT face down on a cushion and remove the Degaussing Coil holders.
- 8. Remove the Degaussing Coils.
- 9. Remove the CRT grounding strap and spring tentioners.
- Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT.
 [Take care not to handle the CRT by the neck.]

Removal of the Anode-Cap

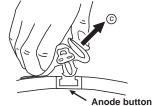
* REMOVING PROCEDURES.



1 Turn up one side of the rubber cap in the direction indicated by the arrow (a)



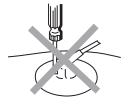
Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b)



When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ©

How to handle the Anode-Cap

- 1. To prevent damaging the surface of the anode-cap do not use sharp materials.
- Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
- A metal fitting called a shatter hook terminal is fitted inside the rubber cap.
- Do not turn the rubber foot over excessively, this may cause damage if the shatter hook sticks out.





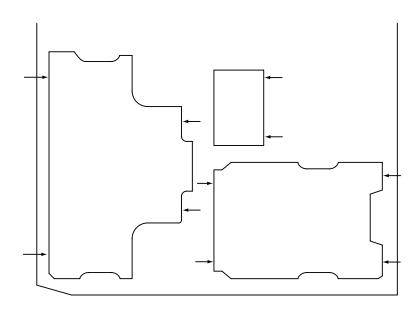
REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET BOTTOM PLATES.

(1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the D Board printed wiring board, the bottom plates fitted to the main chassis bracket require to be removed. This is performed by cutting the gates with a sharp wire cutter at the locations indicated by the

This is performed by cutting the gates with a sharp wire cutter at the locations indicated b arrows.

Note: There are 3 plates fitted to the main bracket and secured by 3 gates. Only remove the necessary plate to gain access to the printed wiring board.

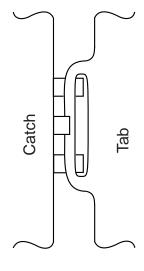


For safety reasons, on no account should the plates be removed and not refitted after servicing.

(2) REFITTING THE PLATES

Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from their cut position to allow the tabs to be fitted into their catch positions.



SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings:

Contrast	 normal

Brightnessnormal

Carry out the adjustments in the following order:

- 3-1. Beam Landing.
- 3-2. Convergence.
- 3-3. Focus.
- 3-4. White Balance.

Note: Test equipment required.

- 1. Color bar/pattern generator.
- 2. Degausser.
- Oscilloscope.
- 4. Digital multimeter.

3-1. Beam Landing

Preparation:

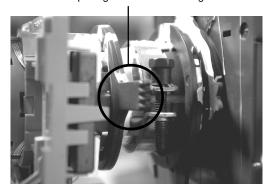
- In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
- 2. Switch on the TV set's power and degauss with a degausser.

(1) Adjustment of Correction Magnet for Y-Splitting Axis.

- 1. Input a crosshatch signal from the pattern generator.
- 2. Set the Picture control to minimum and confirm that the Brightness control is set to normal.
- 3. Position the neck assembly as indicated in Fig.3-3.
- 4. Loosen the deflection yoke fixing screw.
- 5. Move the deflection yoke as far forward as is possible.
- Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly. [See Fig 3-1 and Fig 3-2]
- Return the deflection yoke to its original position and re-tighten its fixing screw.

Fig.3-1

Y-splitting axis correction magnet



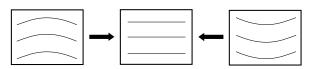


Fig.3-2

Caution:

High voltages are present on the Deflection yoke terminals - take care when handling the Deflection yoke whilst carrying out adjustments.

(2) Landing

Note: Before carrying out the following adjustments adjust the magnets as indicated below [See Fig.3-4].

- 1. Input a crosshatch signal from the signal generator.
- 2. Rough-adjust the focus and horizontal convergence.
- 3. Switch from the crosshatch pattern to an all-red pattern.
- Move the deflection yoke backwards and adjust with the purity magnet so that the red is at the centre and it aligns symmetrically [See Fig. 3-5].
- 5. Move the deflection yoke forward to the point where the entire screen just becomes red [Mark its position].
- 6. Move the deflection yoke further forward until the screen just changes colour at the edges. [Mark its position]
- 7. Position the deflection yoke between the two marks indicated above
- Input a crosshatch pattern from the pattern generator and rotate the deflection yoke so that the horizontal lines are parallel with the top and bottom of the screen.
- When the position of the deflection yoke has been determined, fasten it with its fixing screw.
- 10. Switch the pattern generator to green then blue and confirm the purity.
- 11. If the beam does not land correctly in all the corners of the screen, use disk magnets to correct it. [Confirm the corner landing for green and blue]

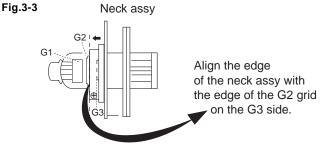
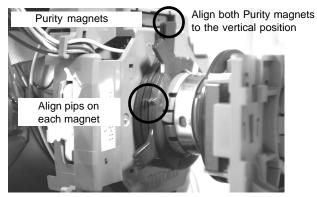


Fig.3-4



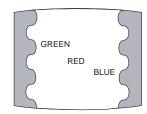
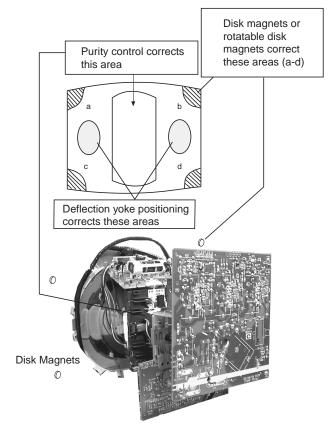
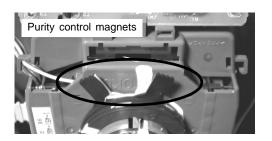


Fig.3-5

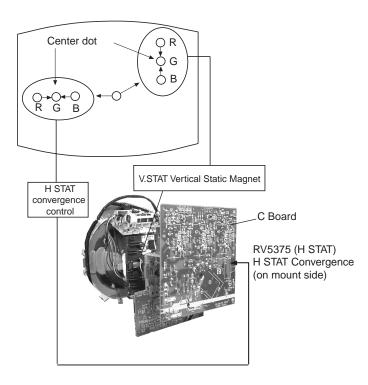




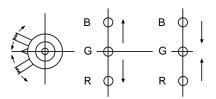
3-2. Convergence

(1) Screen centre convergence [Static convergence]

- 1. Input a dot pattern signal from the pattern generator.
- 2. Normalize the picture setting.
- [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.

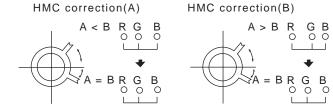


By opening or closing the V.STAT magnet, the red green and blue dots move in the direction indicated below.

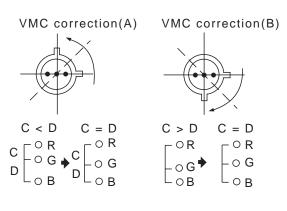


Note: Do not adjust the H.STAT by rotating the V.STAT magnets as this can affect the focus setting.

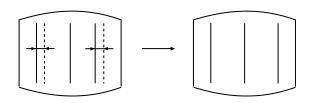
- 4. Correction for HMC [Horizontal mis-convergence] and VMC [Vertical mis-convergence] by using the BMC [Hexapole] magnet.
- a). HMC correction by BMC [Hexapole] magnet and movement of the electron beam.



b). VMC correction by BMC [Hexapole] magnet and movement of the electron beam.

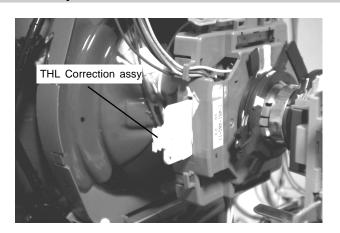


HAMP Adjustment

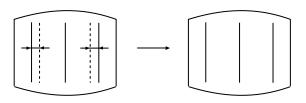


Adjust the HAMP using HAMPL and HAMPR registers in the Dynamic Convergence section of the service menu.

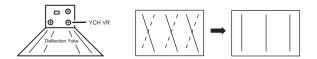
HTIL Adjustment



HTIL correction can be performed by adding a THL correction assembly to the Deflection yoke.



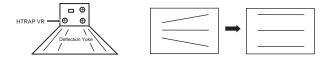
YCH Adjustment



TLV Adjustment

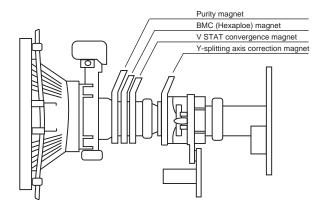


H-TRAP Adjustment

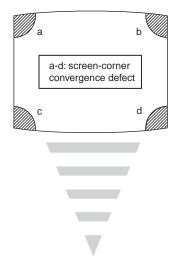


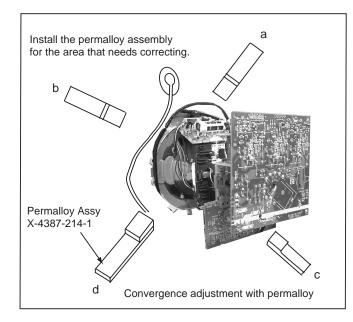
The H-TRAP should not be adjusted unless absolutely necessary as it affects the TLV settings.

Layout of each control



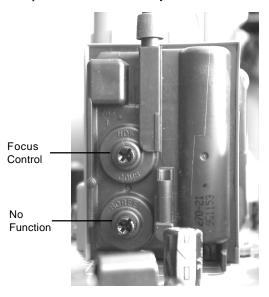
Note: If you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloy magnets.





3-3. Focus, Screen (G2) Adjustment

- Receive a television broadcast signal.
- 2. Normalize the picture setting.
- Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen.
 Bring only the centre area of the screen into focus, the magentaring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



G2 adjustment [RV5376]

- 1. Input a dot signal from the pattern generator.
- 2. Set the Picture, Brightness and Colour to minimum.
- 3. Apply 170V DC from an external power supply to the R, G and B cathodes of the CRT.
- 4. Whilst watching the picture, adjust the G2 control RV5376 [SCREEN] located on the C Board to the point just before the flyback return lines disappear.

3-4. White Balance Adjustment

[Adjustment in the service mode using the remote commander]

White balance adjustment for TV mode

- 1. Input an all-white signal from the pattern generator.
- Enter into the 'Service Mode' by pressing 'TEST', 'TEST' and 'MENU' 'MENU' on the Service Commander.
- Select 'Backend' from the on screen menu display and press 'OK'.
- 4. The 'Backend' menu will appear on the screen.[See Page 26]
- 5. Set the 'Contrast' to MAX.
- 6. Set the 'R-Drive' to 41.
- 7. Adjust the 'G-Drive' and the 'B-Drive' so that the white balance becomes optimum.
- 8. Press the 'OK' button to write the data for each item.
- 9. Set the 'Contrast' to MIN.
- 10. Set the 'R-Cutoff' to 31.
- 11. Adjust the 'G-Cutoff', and the 'B-Cutoff' with the left and right buttons on the remote commander so that the white balance becomes optimum.
- 12. Press the 'OK' button to write the data for each item.

SECTION 4 CIRCUIT ADJUSTMENTS

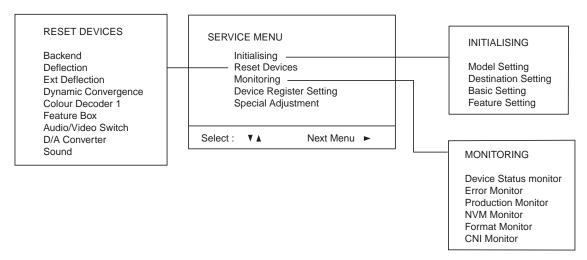
4-1. Electrical Adjustments

Service adjustments to this model can be performed using the supplied Remote Commander RM-887.

How to enter into the Service Mode



- 1. Turn on the main power switch of the set while pressing P + (plus) and P (minus) buttons on the side pop out control panel.
- 2. When the picture appears release the P+ and P- buttons.
- 3. 'TT' will appear in the upper right corner of the screen.
- Press the 'MENU' button twice on the remote commander to obtain the service menu on the screen.



- 4. Push the joystick up or down on the remote commander to select the adjustment item.
- 5. Push the right button to proceed to the next menu.
- 6. If the required adjustment item is 'Deflection', push the down button to move to 'Deflection'.
- 7. Push the joystick to the right to enter into 'Deflection'.
- 8. Change the data in order to comply with each standard.

Note:

- · Before performing any adjustments ensure that the correct model has been selected in the 'Model Setting' menu.
- · After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

Initialising Menu

Initialising	
	Model Setting
	Destination Setting
	Basic Setting
	Feature Setting
Select :	Next menu:

Model Setting

The menu contains a list with all the available models of this software to set up the TV set in an easy way. The selection of a model is setting data for its features and hardware resources which cannot be detected by the automatic power on H/W detection as well as a special *model byte* to get an unique model identification for models which cannot be differed by features and hardware resources (e.g. KV-28FC60 and KV-28FC60Z)

Before data is set, the user will be asked if he really wants to set a new model. If the user agrees, automatically the destination setting menu is shown.

Model Settir	ng	
1	KV-28FC60	Reset
2	KV-28FC60Z	
3	KV-29FC60	
4	KV-32FC60	
5	KV-32FC60Z	
6	KV-34FC60	
7	KV-28FQ75	
8	KV-29FQ75	
9	KV-32FQ75	
10	KV-34FQ75	
11	KV-28FS70	
12	KV-32FS70	
13	KV-36FS70	
14	KV-28FX65	
15	KV-29FX65	
16	KV-32FX65	
17	KV-29FQ65	
BLACK	= No Conformity	
GREEN	= Compatible Model	
RED	= Conformity for all da	ata

Table.4-1

Indication of Model Compatibility.

Black:

If any data does not match to specific model, the model name is displayed in black.

Green:

All data which is checked by model setting menu concurs to model except model byte.

Red:

All data which is checked by model setting menu concurs to model including model byte.

Note:

After selecting a model, it may be necessary to reset some devices to get the correct data. (Treble/Bass Offset of Sound, deflection adjustments, ...)

Basic Setting

Basic setting						
No	Descr	Min	Max	Data		
1	Sys.B/G	OFF	ON	ON		
2	Sys.D/K	OFF	ON	ON		
3	Sys.L	OFF	ON	OFF		
4	Sys.I (UK)	OFF	ON	OFF		
5	Sys.I (IRL)	OFF	ON	ON		
6	TXTNat.option	1	4	3		
7	16:9 CRT	OFF	ON	OFF		
8	Sub-woofer	OFF	ON	ON		
9	Auto stand-by	OFF	ON	ON		
10	Comb-filter	OFF	ON	OFF		
11	Auto YC det	OFF	ON	ON		
12	Auto comb det	OFF	ON	OFF		
13	AV2 Available	OFF	ON	ON		
14	AV3 Available	OFF	ON	ON		
15	AV4 Available	OFF	ON	ON		
16	AV3 Fr & rear	OFF	ON	OFF		
17	SECAM Tape	OFF	ON	OFF		
18	AV1 Sound Mute	OFF	ON	OFF		

Table.4-2

Feature Setting

		Feature setting			
No	Descr		Min	Max	Data
1	EPG		OFF	ON	ON

Table.4-3

Device Register Setting

Backend
Deflection
Ext Deflection
Dynamic Convergence
Colour Decoder 1
D/A Converter
Feature High End
Audio / Video Switch
Sound

Table.4-4

Audio / Video Switch						
No	Descr	Def	Min	Max	Data	
1	CVOUT1	0	0	7	0	
2	CVOUT2	2	0	7	2	
3	GD1 SW	OFF	OFF	ON	OFF	
4	GD2 SW	OFF	OFF	ON	OFF	
5	YCOUT 1	0	0	7	0	
6	YCOUT 2	1	0	7	1	
7	LO0CTRL	OFF	OFF	ON	OFF	
8	LO1CTRL	OFF	OFF	ON	OFF	
9	AOUT 1	3	0	7	3	
10	AOUT 2	3	0	7	3	
11	AOUT 3MUTE	OFF	OFF	ON	OFF	
12	ZCD SW	ON	OFF	ON	ON	
13	AOUT 3	3	0	7	3	
14	GROUP DEL	15	0	31	15	
15	AOUT3 L/R	0	0	3	0	
16	AOUT3VOLF	0	0	7	0	
17	AOUT3VOLC	3	0	7	3	

Table.4-5

	Special A	diustment		
	Openal 7	ajaounont		
No	Descr	Min	Max	Data
1	RGB level	0	7	0
2	RGB Gain	0	31	8
3	RGB PatLevel	0	7	0
4	RGB Patgain	0	31	15
5	Extra Fw	0	255	255
6	EPG Chks Check	OFF	ON	ON
7	Slicer High	OFF	ON	ON
8	FCW Wide	OFF	ON	ON
9	Mpeg NR	OFF	ON	OFF
10	Notch Filter	OFF	ON	OFF
11	NLD Step	-7	0	0
12	PKD Step	-15	0	0
13	CRD Step	0	15	7
14	SHP Step	-10	0	-3
15	COL Step	-10	0	-1
16	SHP gain Step	-5	0	0
17	VM level Step	-3	0	0
18	NTSC Auto YC AV2	OFF	ON	OFF
19	NTSC Auto YC AV3	OFF	ON	OFF
20	RGB Disable	OFF	ON	OFF
21	Intern GD	OFF	ON	ON
22	AV2 YC Mix Out	OFF	ON	ON

Table.4-6

		Backend	I		
No	Descr	Def	Min	Max	Data
1	R-on	ON.	OFF	ON	ON
2	G-on	ON	OFF	ON	ON
3	B-on	ON	OFF	ON	ON
4	D-col	OFF	OFF	ON	OFF
5	Color-axis	2	0	3	2
6	Contrast	40	0	63	40
7	Limit-Luv	3	0	3	3
8	Hue	32	0	63	32
9	Colour	31	0	63	31
10	CTI-Level	2	0	3	2
11	Brightness	31	0	63	31
12	Gamma	3	0	3	3
13	Sharpness	30	0	63	30
14	R-Drive	41	0	63	41
15	G-Drive	41	0	63	30
16	B-Drive	41	0	63	23
17	ABL-Mode	0	0	3	0
18	Sub Bright	31	0	63	22
19	VM-Level	2	0	3	1
20	R-Cutoff	31	0	63	31
21	Preover	2	0	3	2
22	G-Cutoff	31	0	63	23
23	DPIC-Level	1	0	3	1
24	B-Cutoff	31	0	63	29
25	DC-Tran	0	0	3	0
26	Sub-Cont	7	0	15	9
27	LRGB2-Lvl	8	0	15	0
28	P-Abl	15	0	15	15
29	Sharp.Fo	ON	OFF	ON	ON
30	Aging-W	OFF	OFF	ON	OFF
31	Aging-B	OFF	OFF	ON	OFF
32	CB-offset1	11	0	15	11
33	CR-offset1	11	0	15	11
34	CB-offset2	7	0	15	7
35	CR-offset2	7	0	15	7
36	Sub Color	0	-8	8	-2

Table.4-7

Colour Decoder 1						
No	Descr	Def	Min	Max	Data	
1	Tint	31	0	63	31	
2	P/N Gw	OFF	OFF	ON	OFF	
3	P/N ID	OFF	OFF	ON	OFF	
4	Sub Colour	7	0	15	7	
5	Sub Contr	8	0	15	8	
6	Sharp FO	1	0	3	1	
7	Sharp EQ	2	0	3	2	
8	Sharp Gain	8	0	15	8	
9	Y-Out Lev	35	0	63	35	
10	BS Point	0	0	3	0	
11	C-Out Lev	45	0	63	45	
12	DC Rest	0	0	3	0	
13	BPF FO	2	0	3	2	
14	BPF Q	1	0	3	1	
15	Filter Sw	OFF	OFF	ON	OFF	

Table.4-8

	Coloui	r Decoder	1 (cont)		
No	Descr	Def	Min	Max	Data
16	C-Trap Sw	0	0	1	0
17	S-D Trap	ON	OFF	ON	ON
18	LPF	ON	OFF	ON	ON
19	Y-DL	8	0	10	8
20	N-Comb	ON	OFF	ON	ON
21	Video Sel	0	0	15	0
22	RGB Sel	0	0	3	0
23	Halftone	OFF	OFF	ON	OFF
24	CrOFF.1	7	0	15	7
25	CbOFF.1	7	0	15	7
26	CrOFF.2	7	0	15	7
27	CbOFF.2	7	0	15	7
28	VCD Freq	3	0	7	3
29	VCD Mode	0	0	3	1
30	AFC SENS	1	0	3	1
31	MVM	OFF	OFF	ON	OFF
32	S-R-Y Adj	6	0	15	6
33	S-B-Y Adj	4	0	15	4
34	BELL/HPF	2	0	3	2
35	BELL FO	OFF	OFF	ON	OFF
36	S-GP	0	0	3	0
37	S ID	OFF	OFF	ON	OFF
38	RGB1 ENB	OFF	OFF	ON	OFF
39	HS-PH	1	0	1	0
40	S/N RATIO	3	0	3	3

Table.4-9

Dynamic Convergence						
No	Descr	Def	Min	Max	Data	
1	Range	63	0	63	63	
2	V Stat	36	0	63	17	
3	H Stat	33	0	63	31	
4	H amp L	37	0	63	33	
5	H amp R	36	0	63	33	
6	Up Y	31	0	63	31	
7	Low Y	33	0	63	31	
8	Y up L	30	0	63	45	
9	Y up R	30	0	63	31	
10	Y low L	31	0	63	31	
11	Y low R	30	0	63	45	
12	Mbow Up L	31	0	63	31	
13	Mbow Up R	32	0	63	31	
14	Mbow Low L	32	0	63	31	
15	Mbow Low R	32	0	63	31	
16	T Cor PCtrl	OFF	OFF	ON	OFF	
17	Top Cor Pin	31	0	63	31	
18	B Cor PCtrl	OFF	OFF	ON	OFF	
19	Bot Cor Pin	43	0	63	31	

Table.4-10

		Sound			
No	Descr	Def	Min	Max	Data
1	Ref.Level	40	0	20	40
2	Auto-gain	ON	OFF	ON	ON
3	Ana-in	0	0	1	0
4	Carr-mute	ON	OFF	ON	ON
5	Clock out	ON	OFF	ON	ON
6	AM-gain	ON	OFF	ON	ON
7	Clip mode	0	0	2	0
8	SCART1 Vol	79	0	127	79
9	SCART2 Vol	79	0	127	79
10	SCART Pr	27	0	127	27
11	I2S1-pr	16	0	127	16
12	I2S2-pr	16	0	127	16
13	FM pr	27	0	127	27
14	BG Nic-pr	53	0	127	53
15	L Nic-pr	59	0	127	59
16	DK Nic-pr	53	0	127	53
17	l Nic-pr	97	0	127	97
18	Irl Nic-pr	97	0	127	97
19	AVC-Decay	2	0	8	2
20	SubW-vol	0	-127	0	0
21	SubW-freq	20	5	40	20
22	SubW-HPass	OFF	OFF	ON	OFF
23	Spat-stre	+127	0	-1	127
24	Spat-Coeff	0	0	8	0
25	Bass offs	0	-3	+3	0
26	Treble offs	0	-3	+3	0
27	Loudn offs	0	0	9	0
28	Hp-Voloffs	-2	-5	+5	-2
29	M-S Limit	+30	-128	+127	30
30	M-B Limit	-30	-128	+127	-30
31	S-M Limit	+12	-128	+127	12
32	S-B Limit	-20	-128	+127	-20
33	B-M Limit	-12	-128	+127	-12
34	B-S Limit	+20	-128	+127	20
35	Err.Max	40	0	255	40
36	Err.Min	18	0	255	18
37	Vol.Offs	0	-6	0	-4

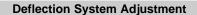
Table.4-11

	Ex	kt. Deflect	ion		
No	Descr	Def	Min	Max	Data
1	Linearity	127	0	255	127
2	H Centre	31	0	63	31
3	H Trap	31	0	63	31
4	Rotation	0	0	255	0
5	FocusPhase	127	0	255	127

Table.4-12

		Deflection	n		
No	Descr	Def	Min	Max	Data
1	V-Size	31	0	63	35
2	V-Position	31	0	63	30
3	V-Comp	1	0	3	0
4	V-Linear	7	0	15	7
5	S-Corr	7	0	15	7
6	H-Size	31	0	63	27
7	EW-DC	OFF	OFF	ON	OFF
8	Akb Tim2	OFF	OFF	ON	OFF
9	Pin-Amp	31	0	63	29
10	H-Comp	0	0	3	0
11	Up-Cpin	31	0	63	35
12	M-Pin	2	0	3	2
13	Lo-CPin	31	0	63	34
14	Trapezium	7	0	15	6
15	H-Position	31	0	63	25
16	VblKw	0	0	3	0
17	AFC-Bow	7	0	15	7
18	AFC-Angle	7	0	15	10
19	Left-Blk	38	0	63	52
20	Right-Blk	12	0	63	11
21	V-Freerun	0	0	3	0
22	V-Aspect	47	0	63	47
23	Zoom-Sw	OFF	OFF	ON	OFF
24	U-Scan	OFF	OFF	ON	OFF
25	V-Scroll	31	0	63	31
26	Akb-Tim	0	0	3	2
27	Up-Vlin	0	0	15	0
28	Lo-Vlin	0	0	15	0

Table.4-13

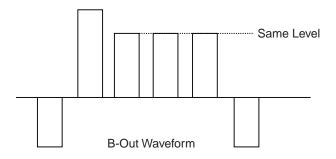


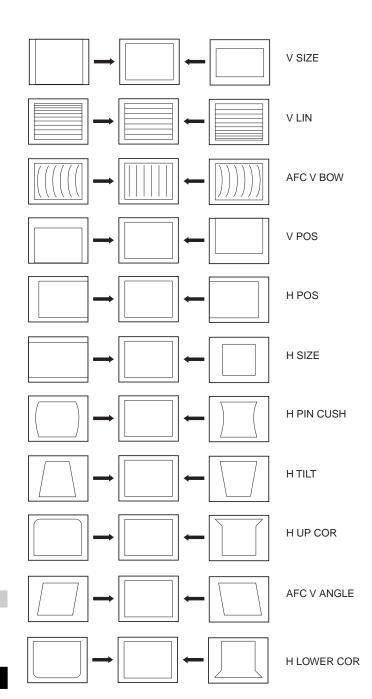
- 1. Enter into the service mode and select 'Deflection' from the menu. The 'Deflection' adjustment menu will be displayed.
- 2. Select and adjust each item to obtain the optimum image.

4-2. Volume Electrical Adjustments

Sub Colour Adjustment

- 1. Input a PAL colour bar signal.
- 2. Connect an oscilloscope to CN5400 pin 5 located on the C Board.
- 3. Enter into the 'Service Mode'.
- 4. Choose 'Backend' from the menu.
- Adjust 'Sub Colour' data so that the right sides of the waveform are of equal height.





4-3.TEST MODE 2:

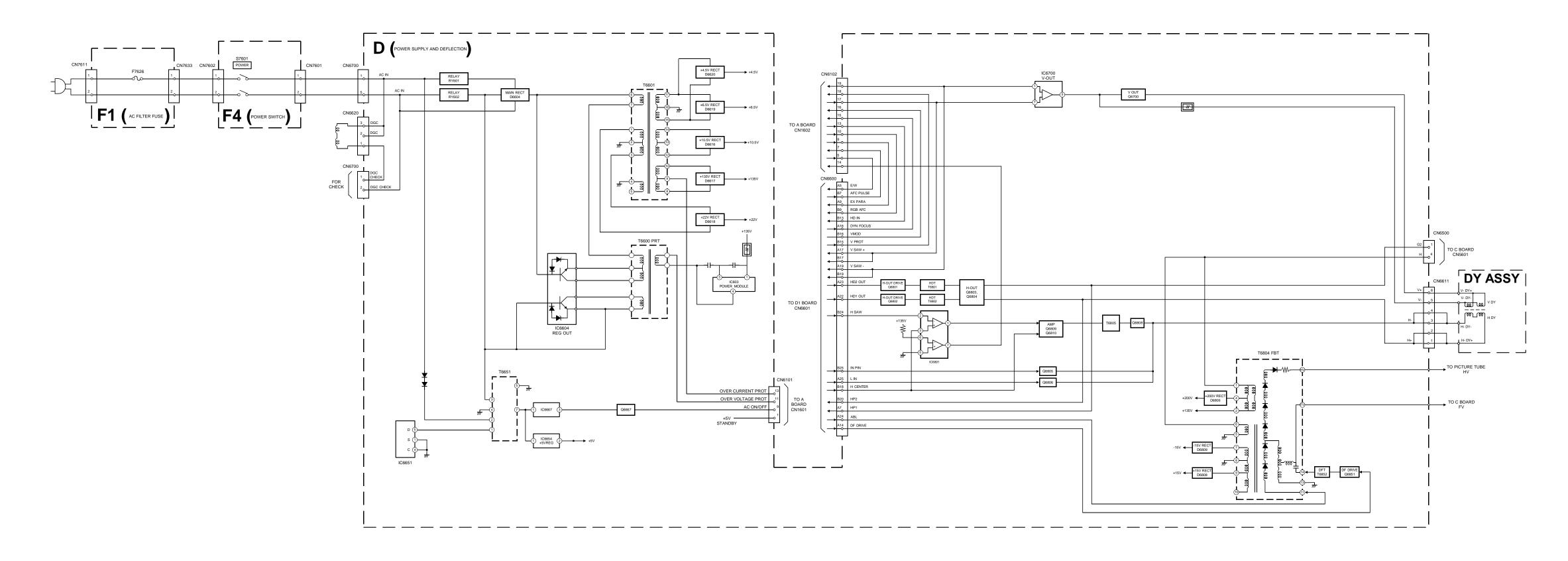
Is available by pressing the 'TEST' button twice, OSD 'TT' appears. The functions described below are available by selecting the two numbers. To release the 'Test mode 2', press 0, 10, 20 ... twice or switch the TV set into Stand-by mode. Pressing the two Local Control buttons (+ and -) during power ON will also switch into 'TT' mode.

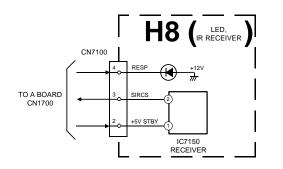
In 'TT' mode, it is possible to remove the Menu from the screen by pressing the Speaker Off button once. Pressing the Speaker OFF button a second time will cause the Menu to reappear. The function is kept even when the menu is not displayed on screen!!.

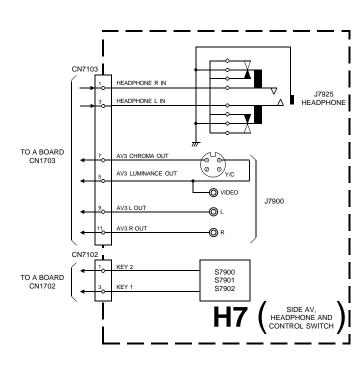
 00 'TT' mode off 01 Picture maximum 02 Picture minimum 03 Set speaker/headphone Volume to 30% 04 Set speaker/headphone Volume to 50% 05 Set speaker/headphone Volume to 65% 06 Set speaker/headphone Volume to 80% 07 Ageing mode 08 Shipping Condition 10 No function 11 Sub picture adjustment 12 Sub colour adjustment 13 Display software version and TV set configeration 14 No function 	
02 Picture minimum 03 Set speaker/headphone Volume to 30% 04 Set speaker/headphone Volume to 50% 05 Set speaker/headphone Volume to 65% 06 Set speaker/headphone Volume to 80% 07 Ageing mode 08 Shipping Condition 10 No function 11 Sub picture adjustment 12 Sub colour adjustment 13 Display software version and TV set configeration 14 No function	
03 Set speaker/headphone Volume to 30% 04 Set speaker/headphone Volume to 50% 05 Set speaker/headphone Volume to 65% 06 Set speaker/headphone Volume to 80% 07 Ageing mode 08 Shipping Condition 10 No function 11 Sub picture adjustment 12 Sub colour adjustment 13 Display software version and TV set configeration 14 No function	
04 Set speaker/headphone Volume to 50% 05 Set speaker/headphone Volume to 65% 06 Set speaker/headphone Volume to 80% 07 Ageing mode 08 Shipping Condition 10 No function 11 Sub picture adjustment 12 Sub colour adjustment 13 Display software version and TV set configeration 14 No function	
 05 Set speaker/headphone Volume to 65% 06 Set speaker/headphone Volume to 80% 07 Ageing mode 08 Shipping Condition 10 No function 11 Sub picture adjustment 12 Sub colour adjustment 13 Display software version and TV set configeration 14 No function 	
Set speaker/headphone Volume to 80% Ageing mode Shipping Condition No function Sub picture adjustment Sub colour adjustment Display software version and TV set configeration No function	
 07 Ageing mode 08 Shipping Condition 10 No function 11 Sub picture adjustment 12 Sub colour adjustment 13 Display software version and TV set configeration 14 No function 	
08 Shipping Condition 10 No function 11 Sub picture adjustment 12 Sub colour adjustment 13 Display software version and TV set configeration 14 No function	
 No function Sub picture adjustment Sub colour adjustment Display software version and TV set configeration No function 	
11 Sub picture adjustment 12 Sub colour adjustment 13 Display software version and TV set configeration 14 No function	
12 Sub colour adjustment 13 Display software version and TV set configeration 14 No function	
13 Display software version and TV set configeration14 No function	
14 No function	
15 Picture Rotation - Auto Function -5 -> 0 -> + 5	
16 Picture level 50%	
17 Audio mute on	
18 No function	
19 Sub brightness adjustment	
20 No function	
21 Destination A includes text settings, display TV state	JS
22 Destination L includes text settings, display TV statu	IS
23 Destination E includes text settings, display TV statu	
24 Destination U includes text settings, display TV state	JS
25 Destination D includes text settings, display TV stati	
26 Destination B includes text settings, display TV statu	JS
27 Destination K includes text settings, display TV statu	JS
28 Destination R includes text settings, display TV stati	JS
30 No function	
31 Geometry Adjustment 1	
32 Geometry Adjustment 2	
33 Error monitor	
34 No function	
35 CRT 4:3 <> 16:9 ; Display TV status	
36 Line 23 detection switch	
37 Velocity Modulation (VM) test	
38 No function	
39 No function	
40 No function	
41 Screen mode check	
42 Re-initialise geometry	
43 No function	
44 No function	
45 No function	
46 Reserved for dealer commander	
47 Re-initialise NVM	
48 Set NVM as non virgin	
49 Set NVM as virgin	
50 No function	
51 Set Dolby volume to 90%	
52 Dolby on left speaker only	
53 Dolby on right speaker only	

54	Dolby on left centre only
55	Dolby on surround speaker only
56	No function
57	No function
58	No function
59	No function
60	No function
61	Service mode
62	Production mode
63	Copy the picture reset data from ROM into the picture reset location of NVM
64	Copy the actual adj picture data from NVM to reset location of NVM
65	Reset error codes
66	No function
67	No function
68	Ignore error on
69	Ignore errors off
70	No function
71	No function
72	No function
73	Clear all programmes except 1-5 and all station labels
74	Adjustment for PIN Amp/Upper Corner Pin for EPG
75	Adjustment for Lower Corner Pin/ Trapezoid for EPG
76	No function
77	No function
78	No video blanking
79	Reset NVM Addresses 0EFF - 0FFF
80	No function
81	Smart Link test signal on AV2 Pin 10.
82	Horizontal centre adjustment for MID-X input main picture. Adjustment is done with left and right joystick button, released by "TV" or "OK" buttons.
83	
-	No function
86	Democrat ID recet
87	Personal ID reset
88	Parental Lock off
89	OSD mute on/off
90	No function
91	No function
92	No function
93	Reserved for software group only
94	No function
95	Dolby Low Pass Filter ON in surround channel
96	Dolby Low Pass Filter OFF in surround channel
97	No action
98	No action
99	No function

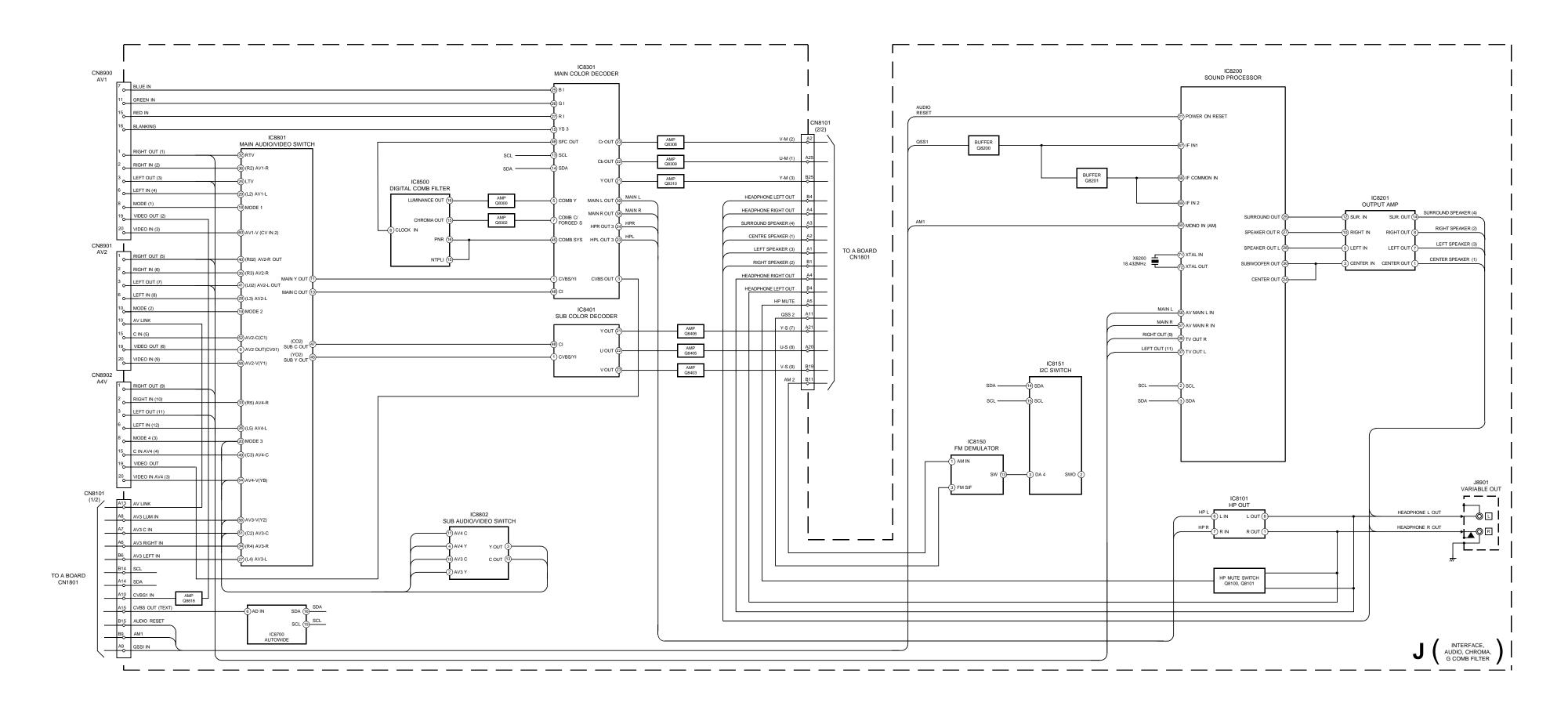
Memo		

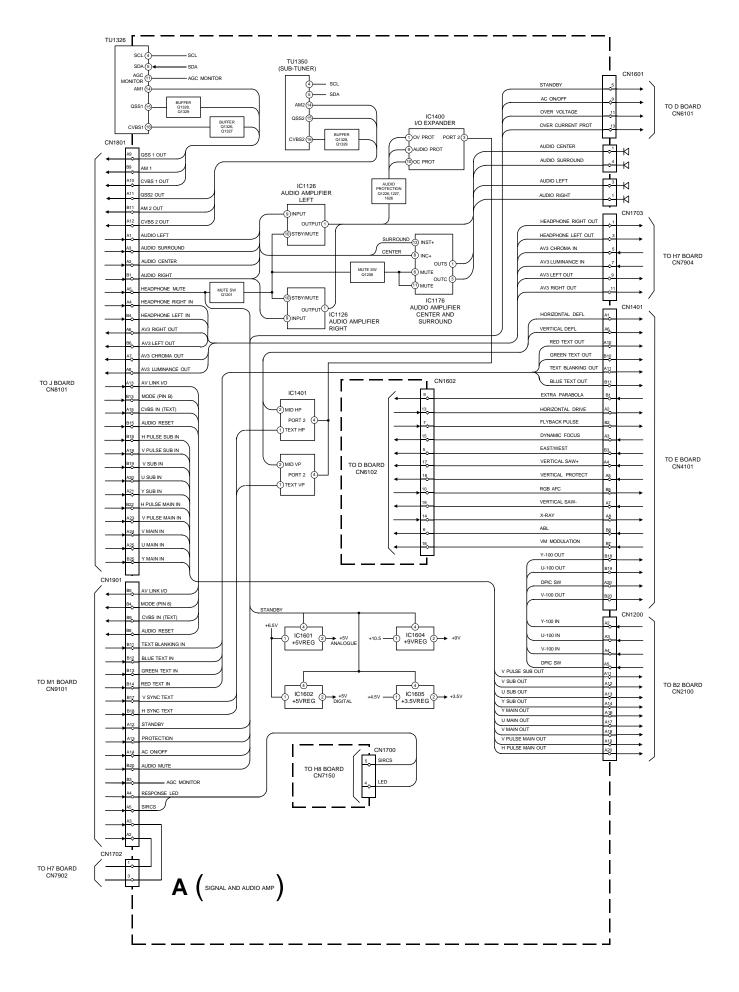






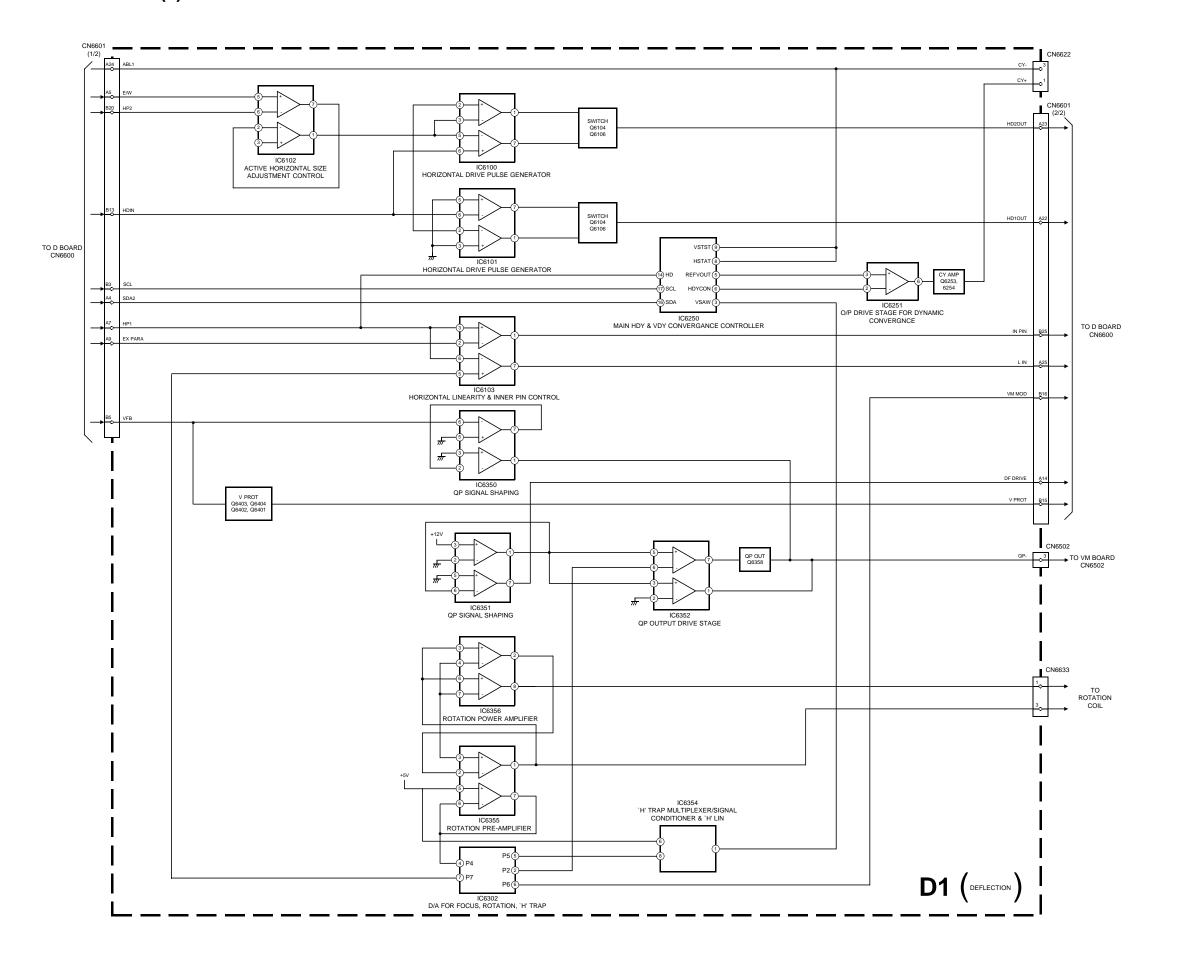
1 33 34

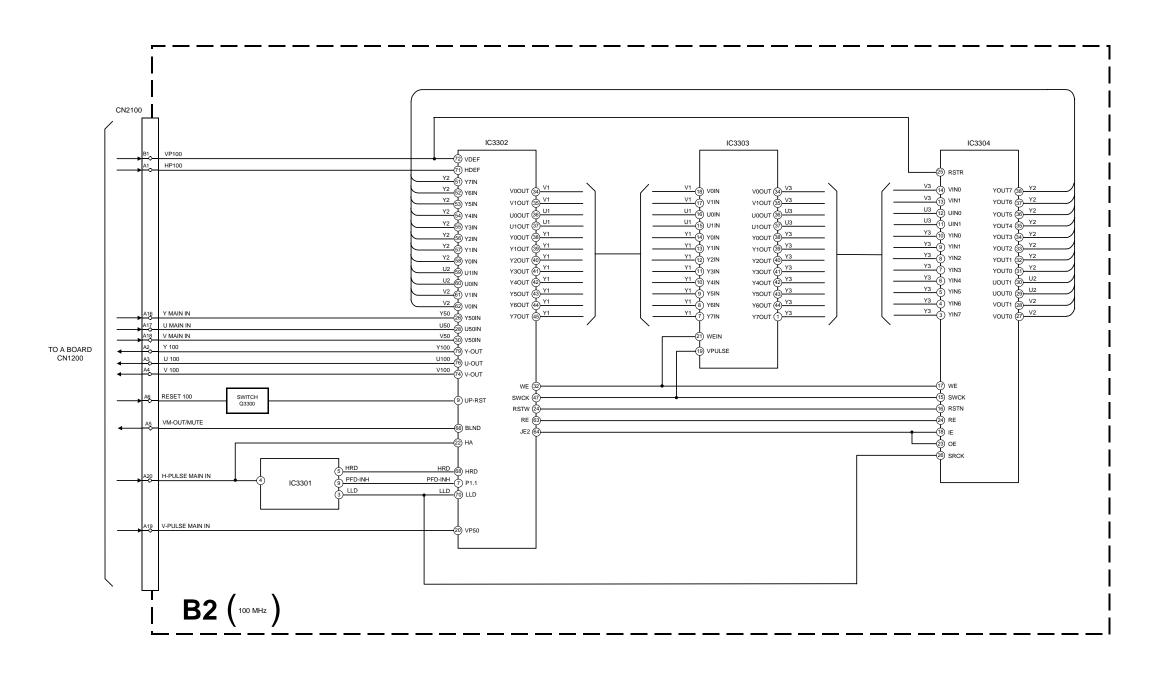




36 38

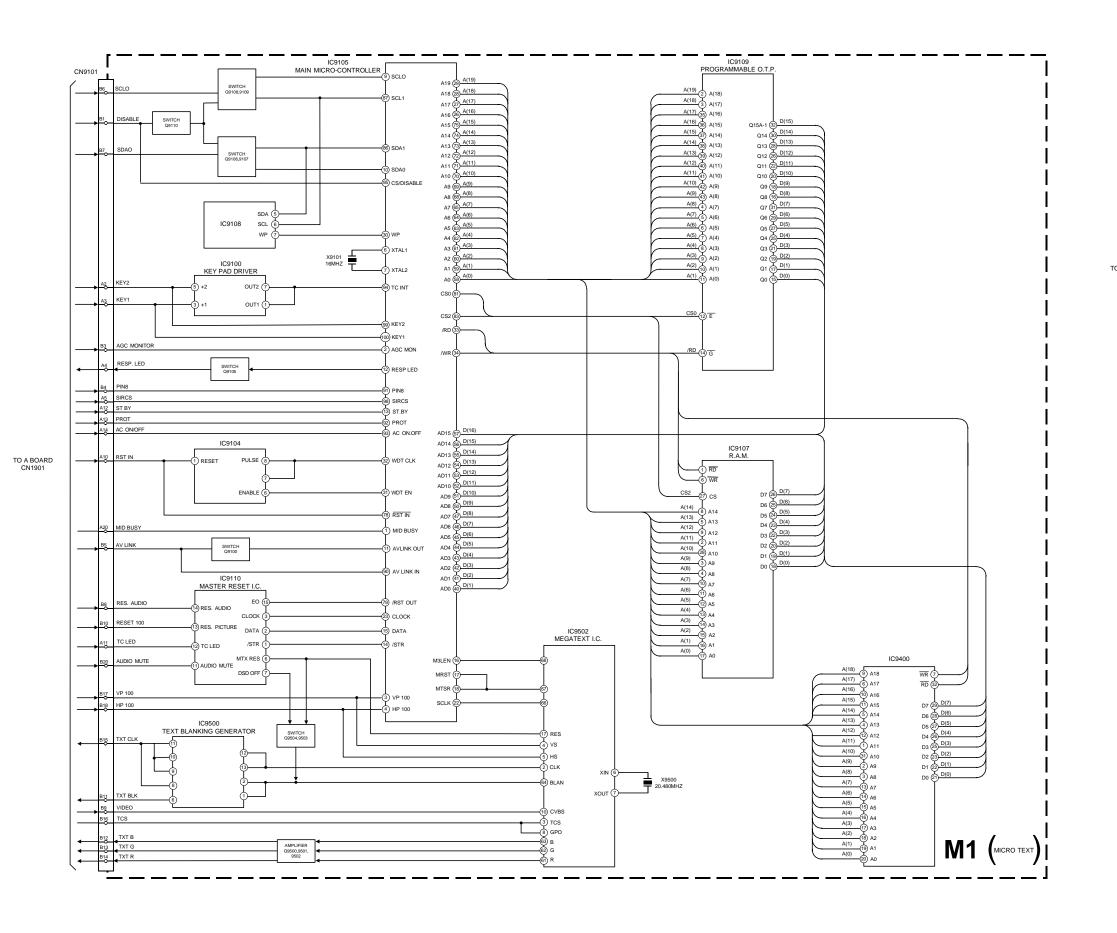
5-1. BLOCK DIAGRAMS (3)

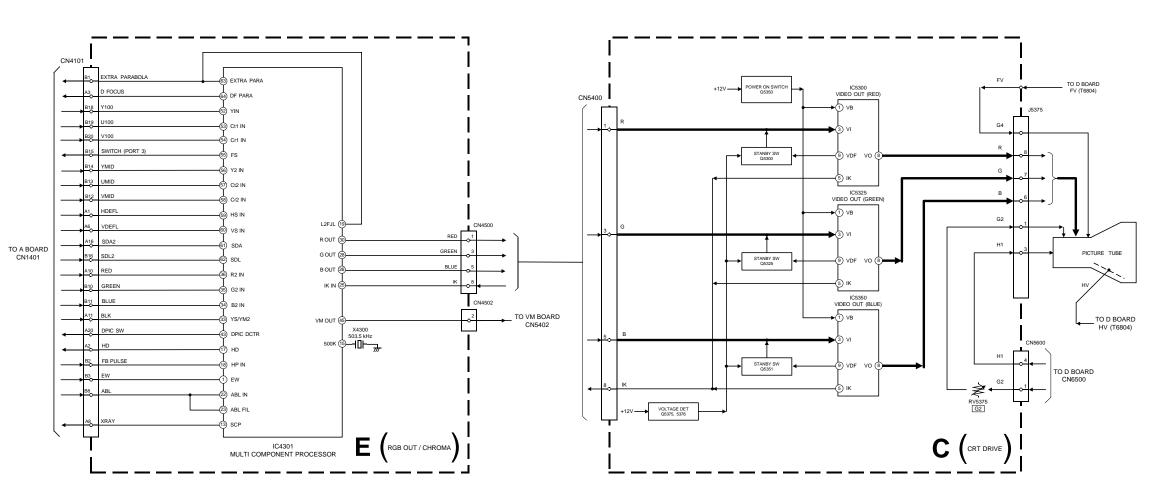


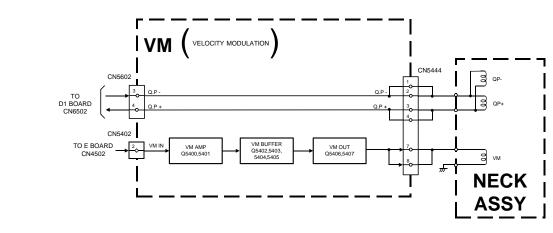


40 41

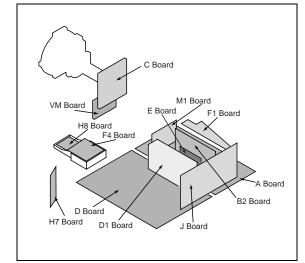
5-1. BLOCK DIAGRAMS (4)







5-2. CIRCUIT BOARD LOCATION



5-3. SCHEMATIC DIAGRAMS AND

- All capacitors are in µF unless otherwise noted.
- electrolytic types.
- rating electrical power, is as follows.

Electrical power rating: 1/4W

- Chip resistors are 1/10W
- : nonflammable resistor.
- fusible resistor.
- \triangle : internal component.

- All voltages are in Volts.
- Readings are taken with a color bar input signal.

• : B + bus.

• : earth - chassis.

PRINTED WIRING BOARDS

- pF : μμF 50WV or less are not indicated except for
- Indication of resistance, which does not have one for

Pitch: 5mm

- All resistors are in ohms.
- k = 1000 ohms, M = 1000,000 ohms

- : panel designation or adjustment for repair.
- All variable and adjustable resistors have
- characteristic curve B, unless otherwise noted.
- Readings are taken with a 10Mohm digital mutimeter.
- Voltage variations may be noted due to normal production tolerences.

• = = : B - bus.

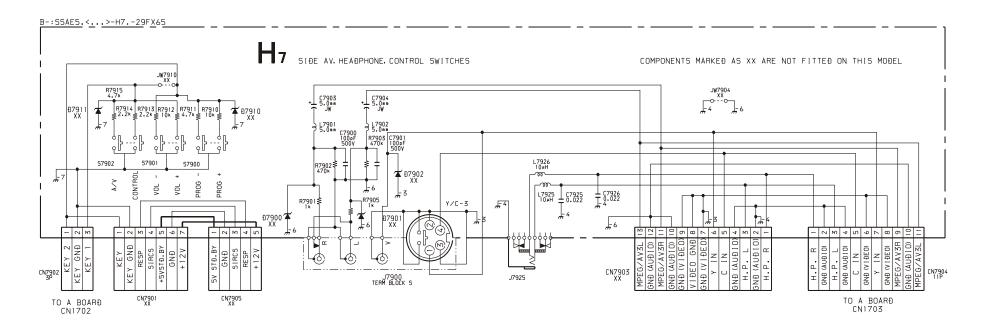
Reference Information

RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
	*	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

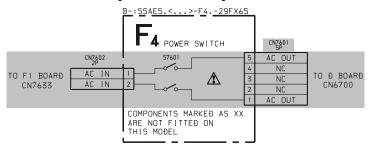
Note: The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

Note: Les composants identifiés par une trame et par une marque \triangle sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

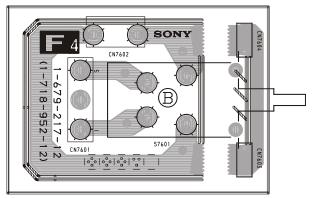
H7[FRONT AV, S-VIDEO]



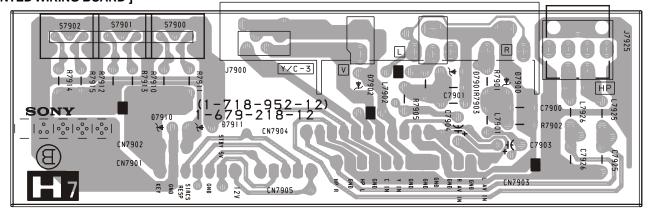
F4[POWER SWITCH]



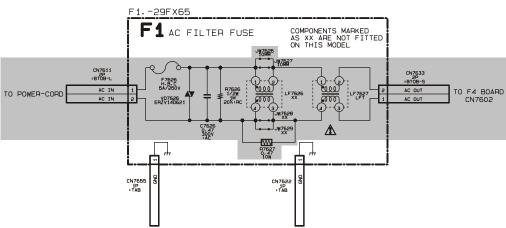
F4[PRINTED WIRING BOARD]



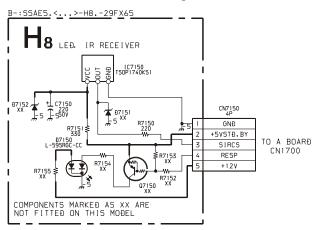
H7[PRINTED WIRING BOARD]



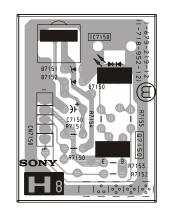
F1 [AC FILTER FUSE]

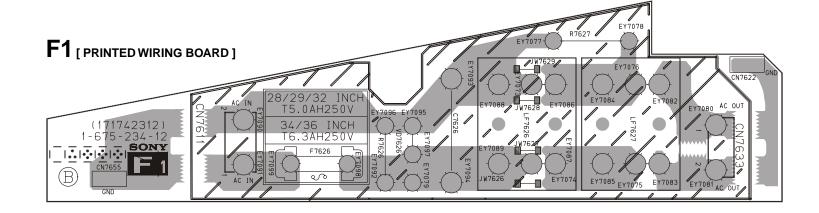


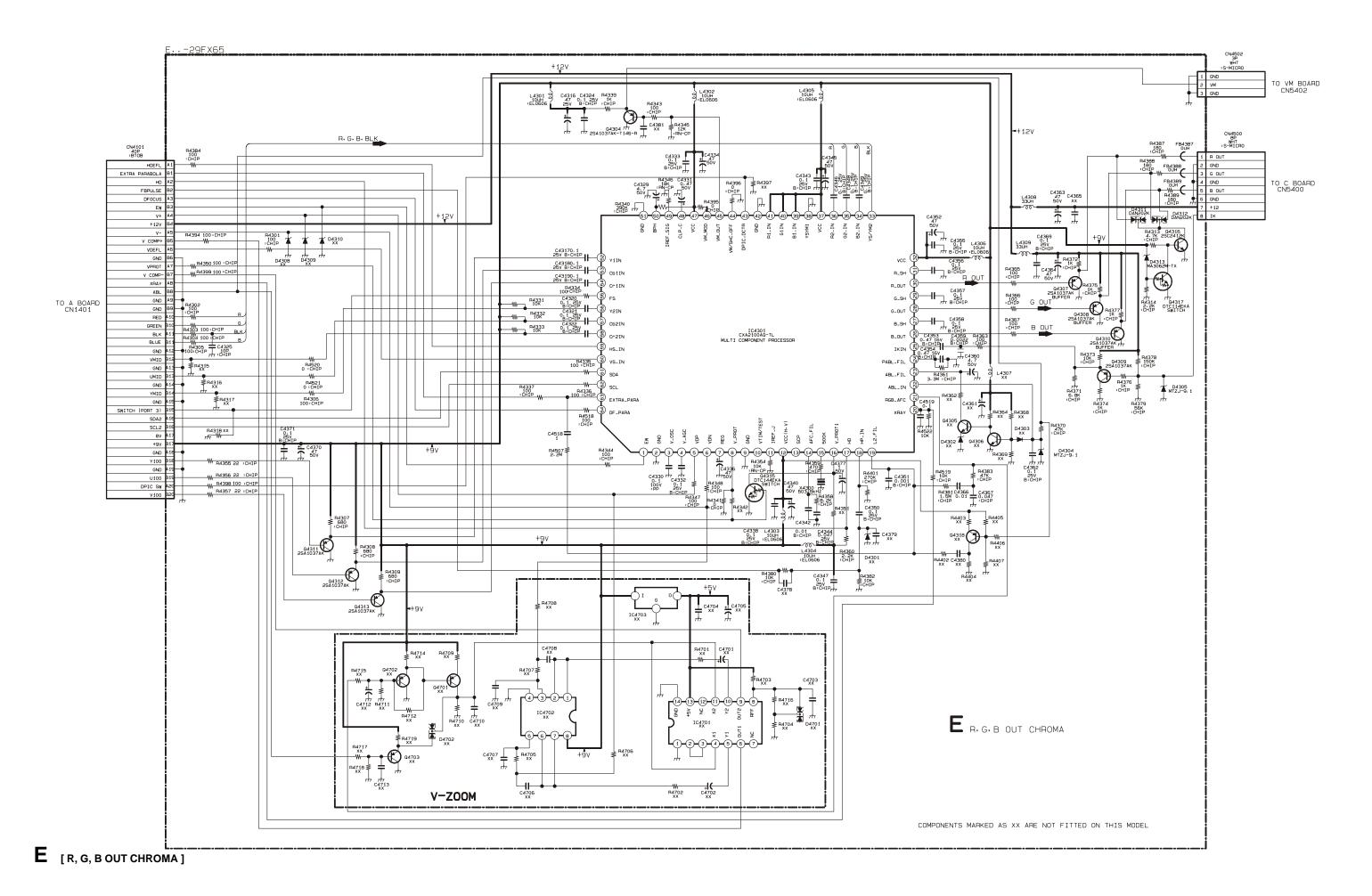
H8[IR RECEIVER FOR SIRCS AND LED]



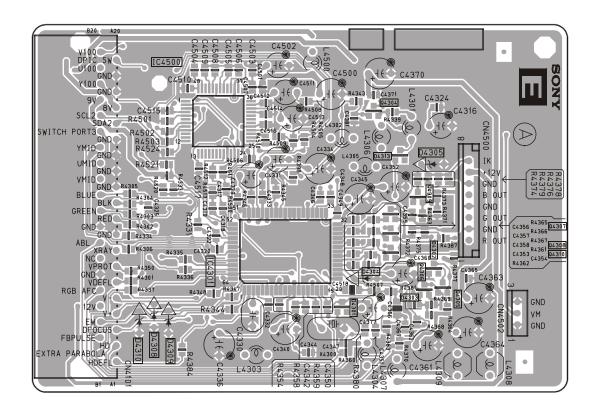
H8[PRINTED WIRING BOARD]



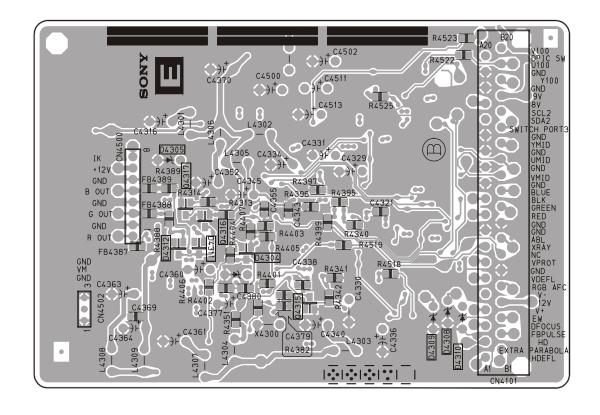




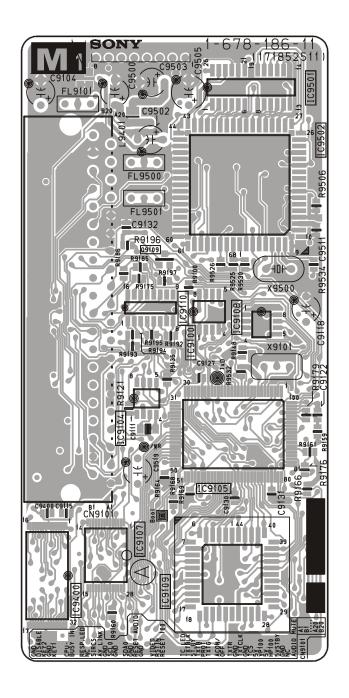
E [PRINTED WIRING BOARD (A side)]

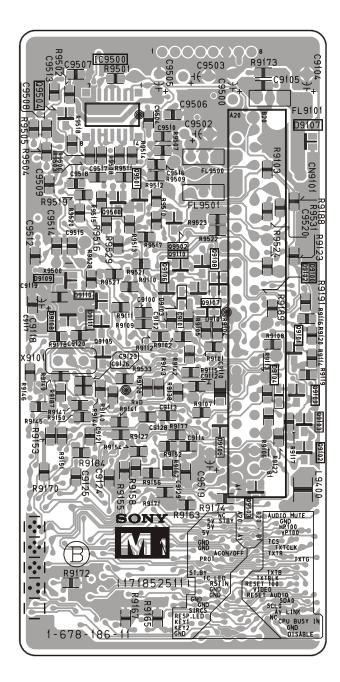


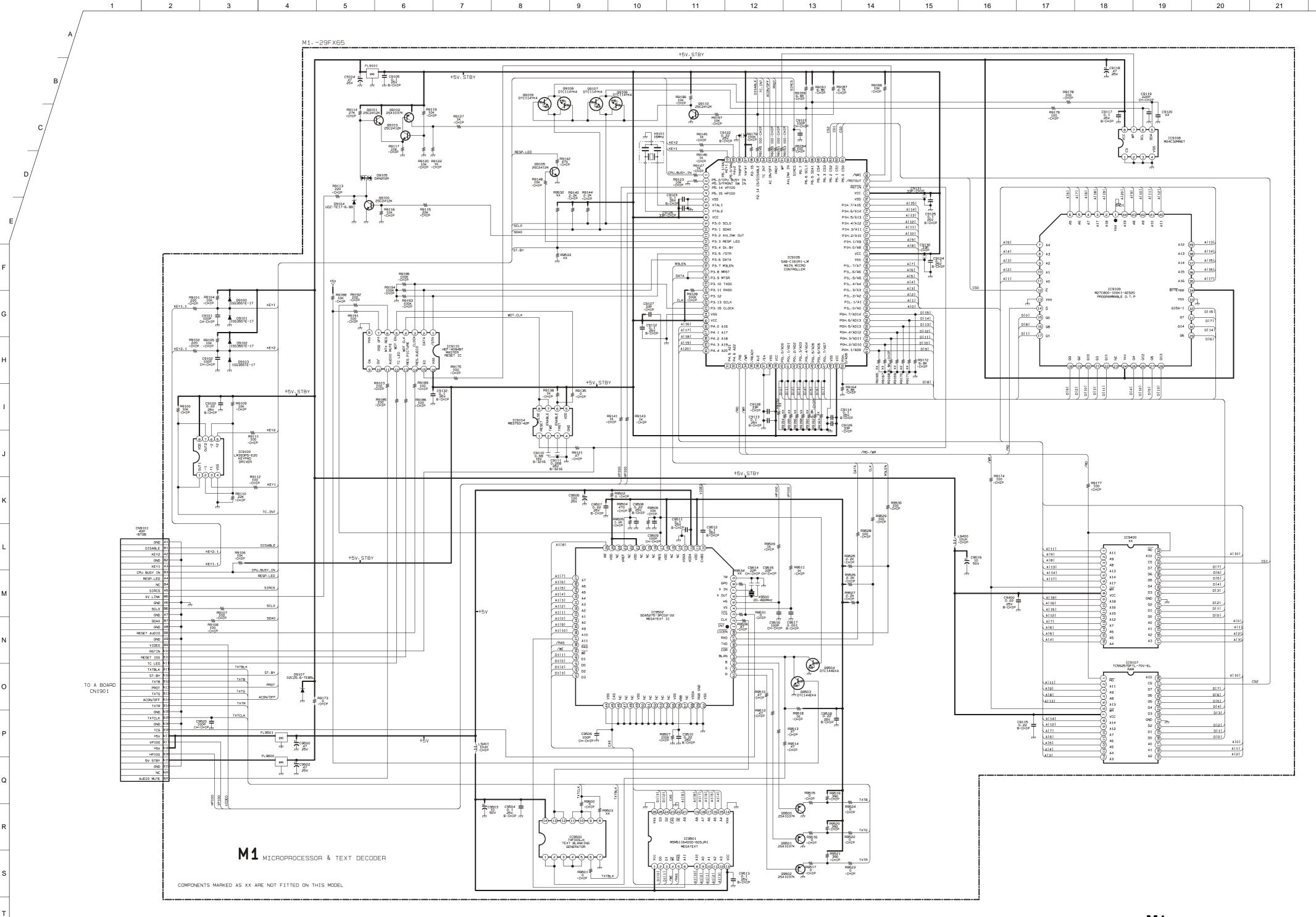
E [PRINTED WIRING BOARD (B side)]



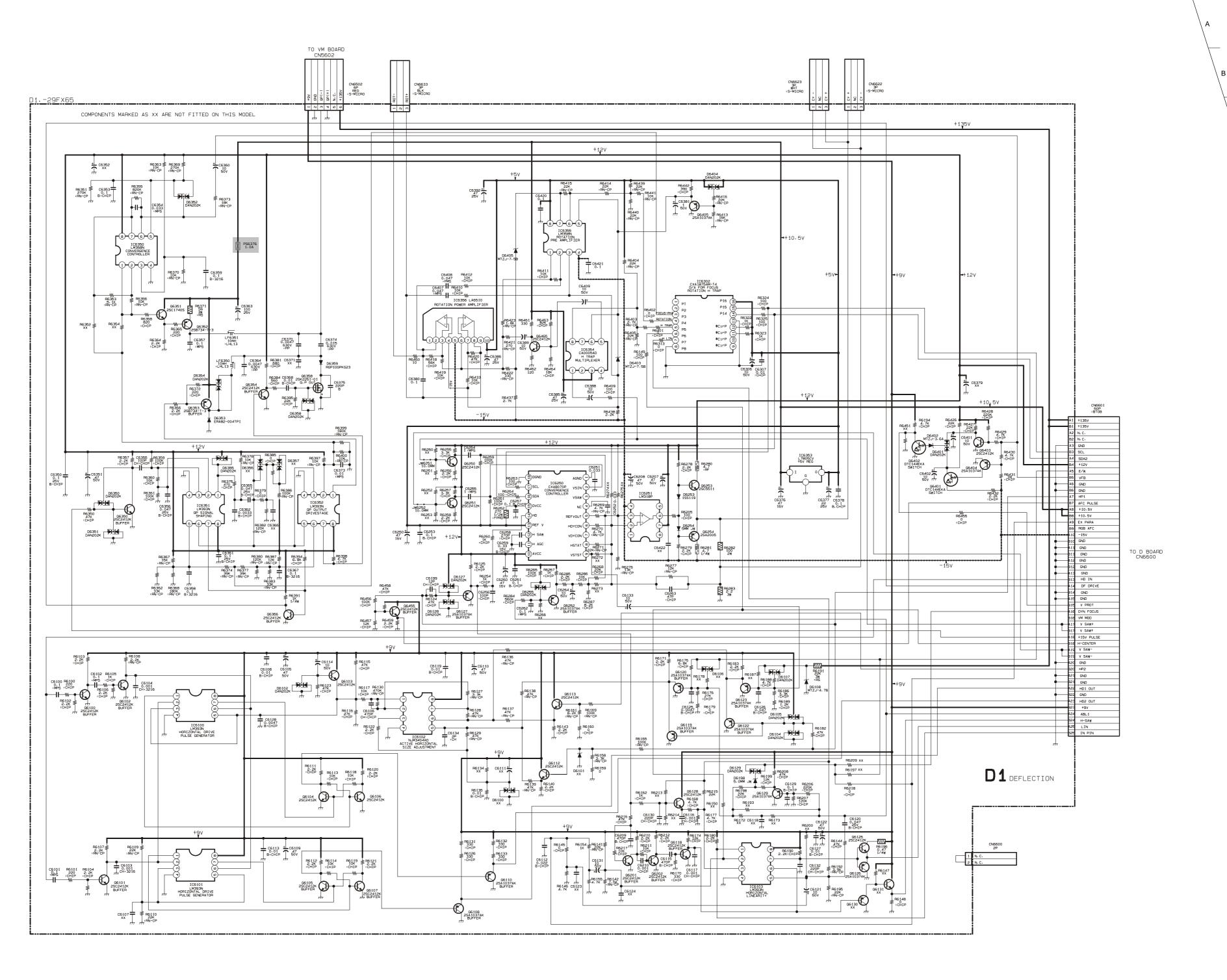
M1 [PRINTED WIRING BOARD (B side)]



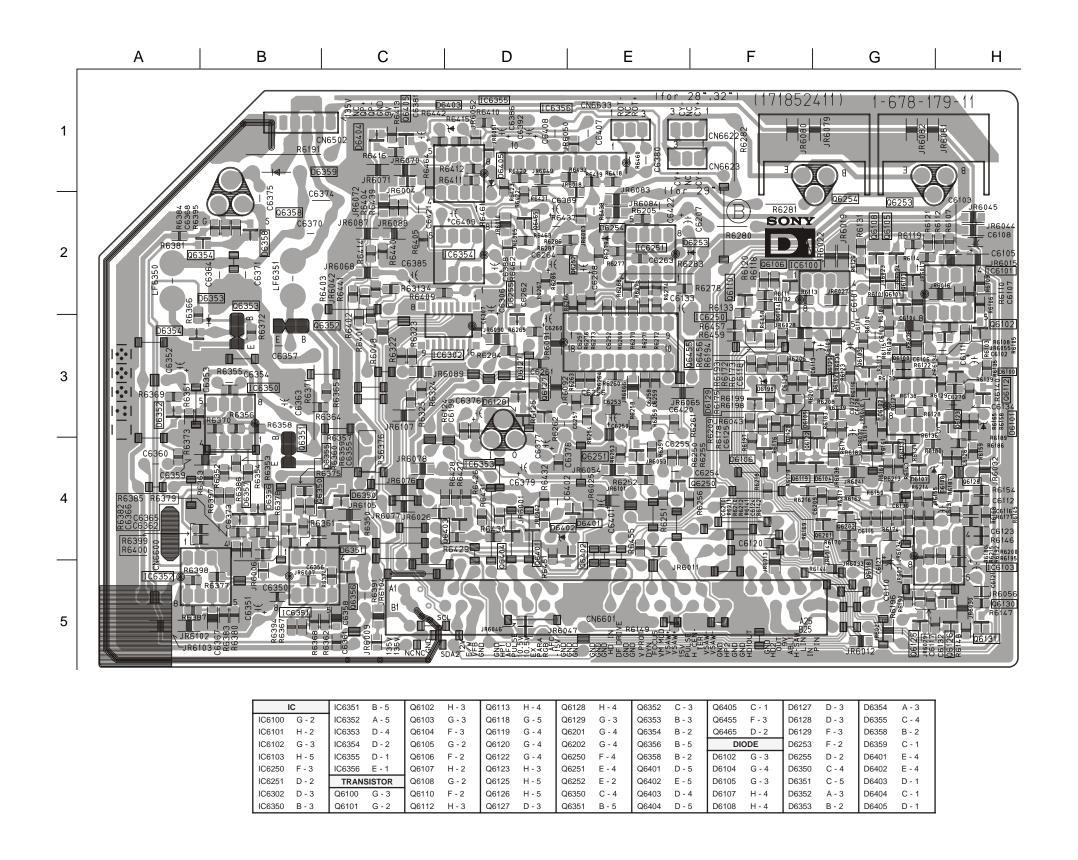




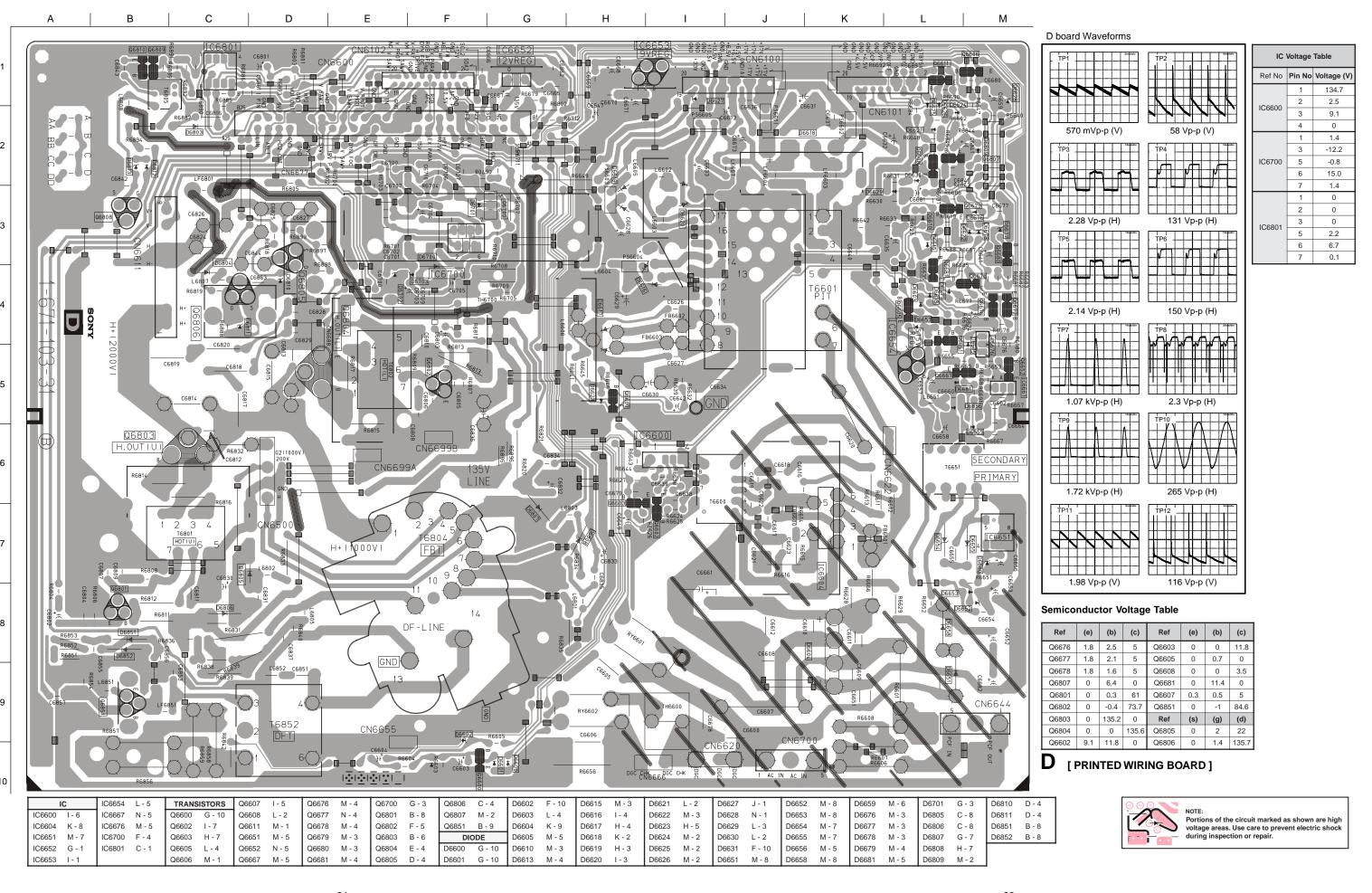
2 3 4

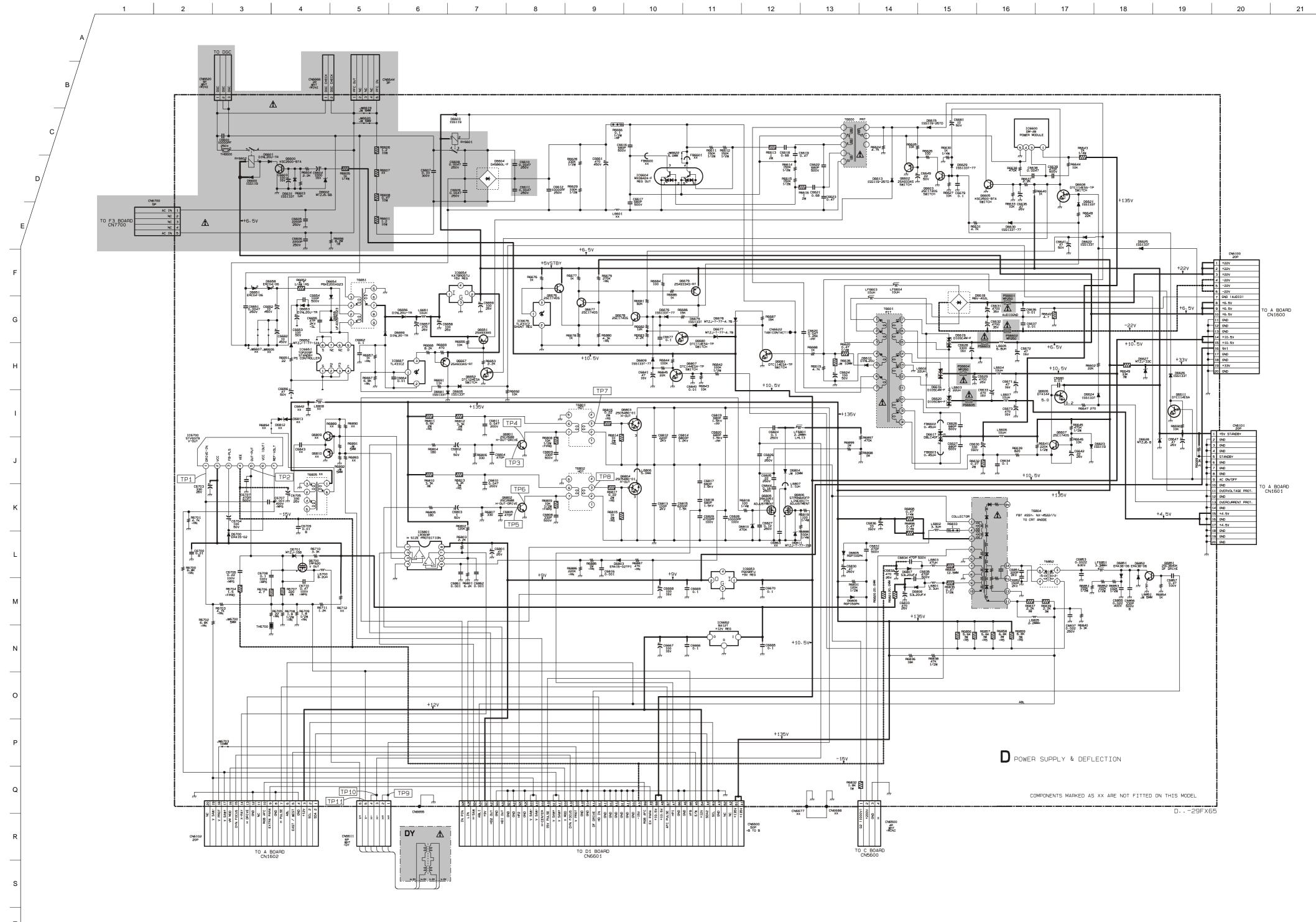


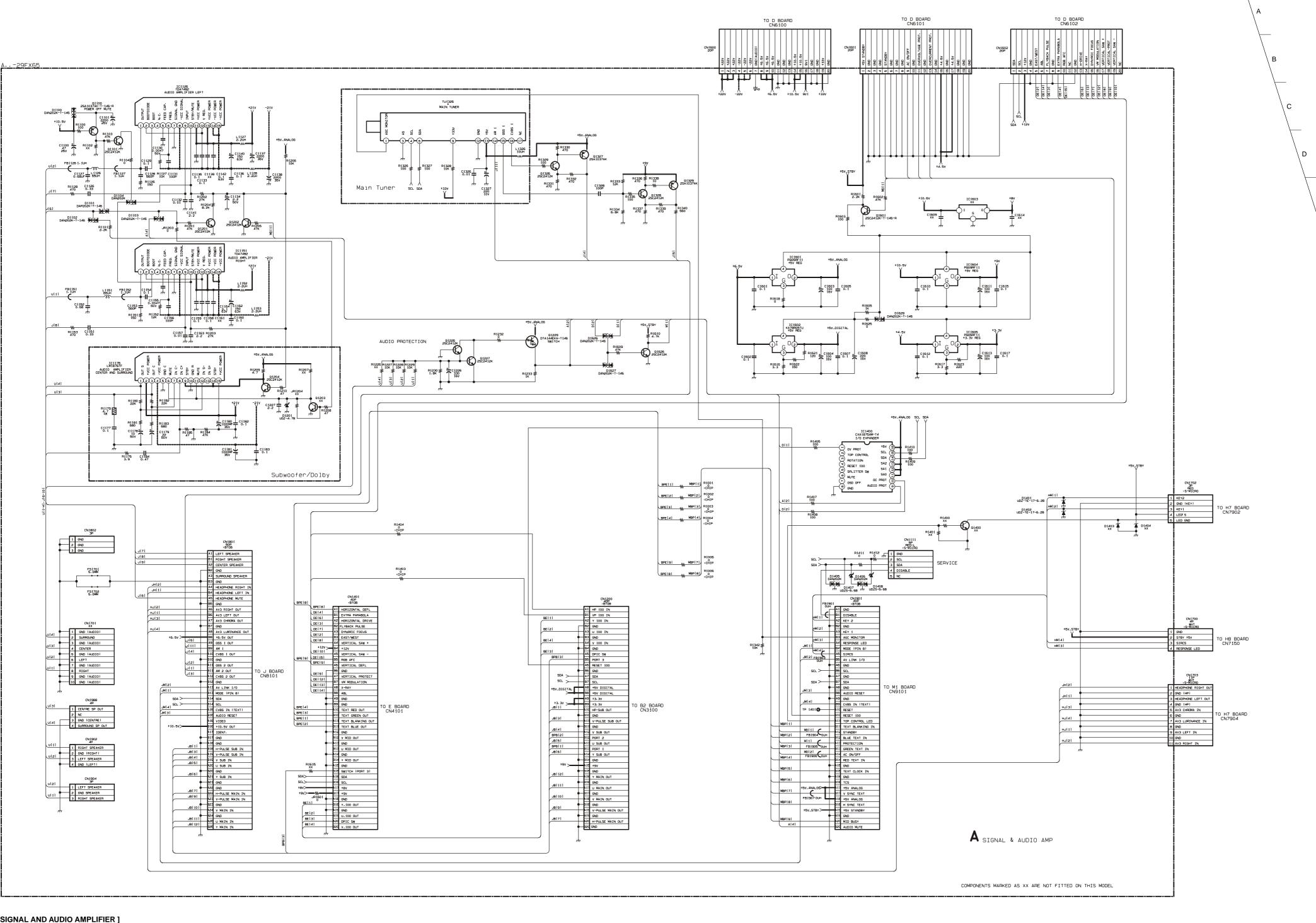
18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 |



D1 [PRINTED WIRING BOARD]







12 11 10

9 8

7

6

15 14 13

17 16

21

19

18

4 3 2

IC Voltage Table

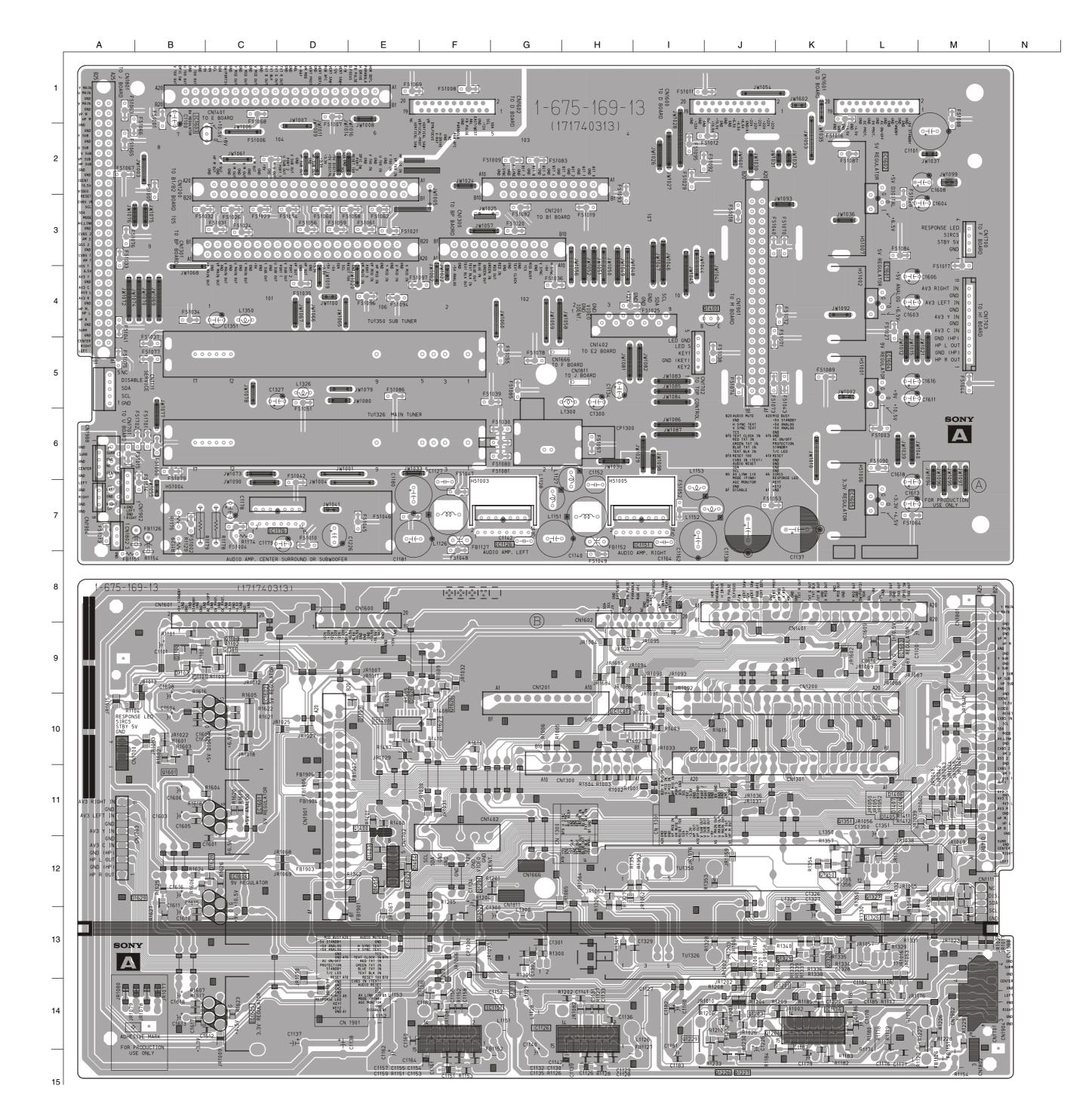
IC	Voltage	Table
Ref No	Pin No	Voltage (V)
	1	0
	2	-11
	3	10
IC1126	6	-19
	9	0
	10	4.1
	12	-11
	1	0
	2	-11
	3	10
IC1151	6	-18
	9	0
	10	4.1
	12	-11
	1	0
	3	4.6
	5	4.6
IC1400	6	4.0
10 1400	9	0
	10	0
	14	4.5
	15	4.5
	1	0
	3	3
	6	3
	7	0
IC1176	8	0
101176	9	0
	11	3
	12	0
	13	0
	14	0

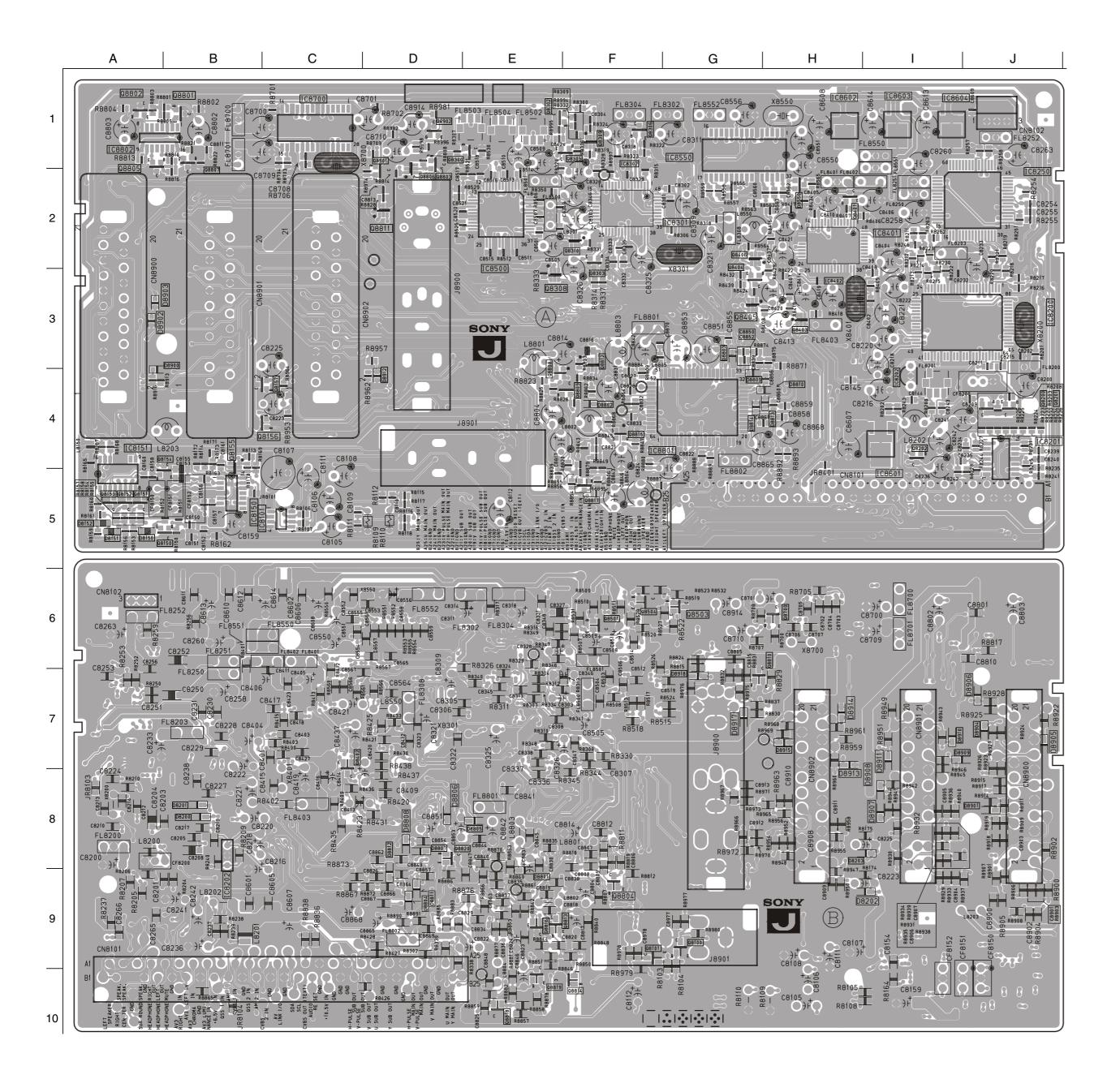
Semiconductor Location Table

I	С	Q1403	L - 9
IC1126	G - 7	Q1404	L - 9
IC1151	I - 7	Q1405	M - 8
IC1176	K - 14	Q1406	M - 9
IC1400	E - 10	Q1601	B - 11
IC1601	L - 4	Q1602	C - 9
IC1604	L - 5	Q1626	F - 9
IC1605	L - 7	DIC	DDE
IC1630	I - 2	D1101	B - 9
IC1631	L - 2	D1101	B - 9
TRANS	SISTOR	D1102	B - 9
Q1100	B - 9	D1103	D - 10
Q1101	C - 9	D1104	E - 14
Q1201	F - 12	D1201	K - 13
Q1202	F - 12	D1401	E - 12
Q1204	F - 12	D1402	E - 12
Q1226	J - 15	D1405	L - 11
Q1227	J - 15	D1406	L - 11
Q1229	I - 14	D1407	L - 11
Q1300	G - 13	D1408	L - 11
Q1326	L - 12	D1601	C - 9
Q1327	L - 12	D1602	C - 9
Q1328	K - 13	D1626	B - 12
Q1329	K - 13	D1627	F - 10
Q1401	L - 9	D1630	H - 1
Q1402	L - 9	D1631	L - 3

Semiconductor Voltage Table

	Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
	Q1100	10.5	10.6	0	Q1229	5	4.9	0
Ī	Q1101	0	0	2.2	Q1326	1.2	1.8	4.4
Ī	Q1201	0	0.6	0	Q1327	5	4.4	1.7
ſ	Q1202	0	0.1	2.1	Q1328	2.6	3.2	8.3
	Q1300	0	4.6	0	Q1329	5	8.3	4.5
	Q1226	0	0	4.9	Q1601	0	0	5
Ī	Q1227	0	0	4.9	Q1602	3.9	3.3	0





Semiconductor Location Table

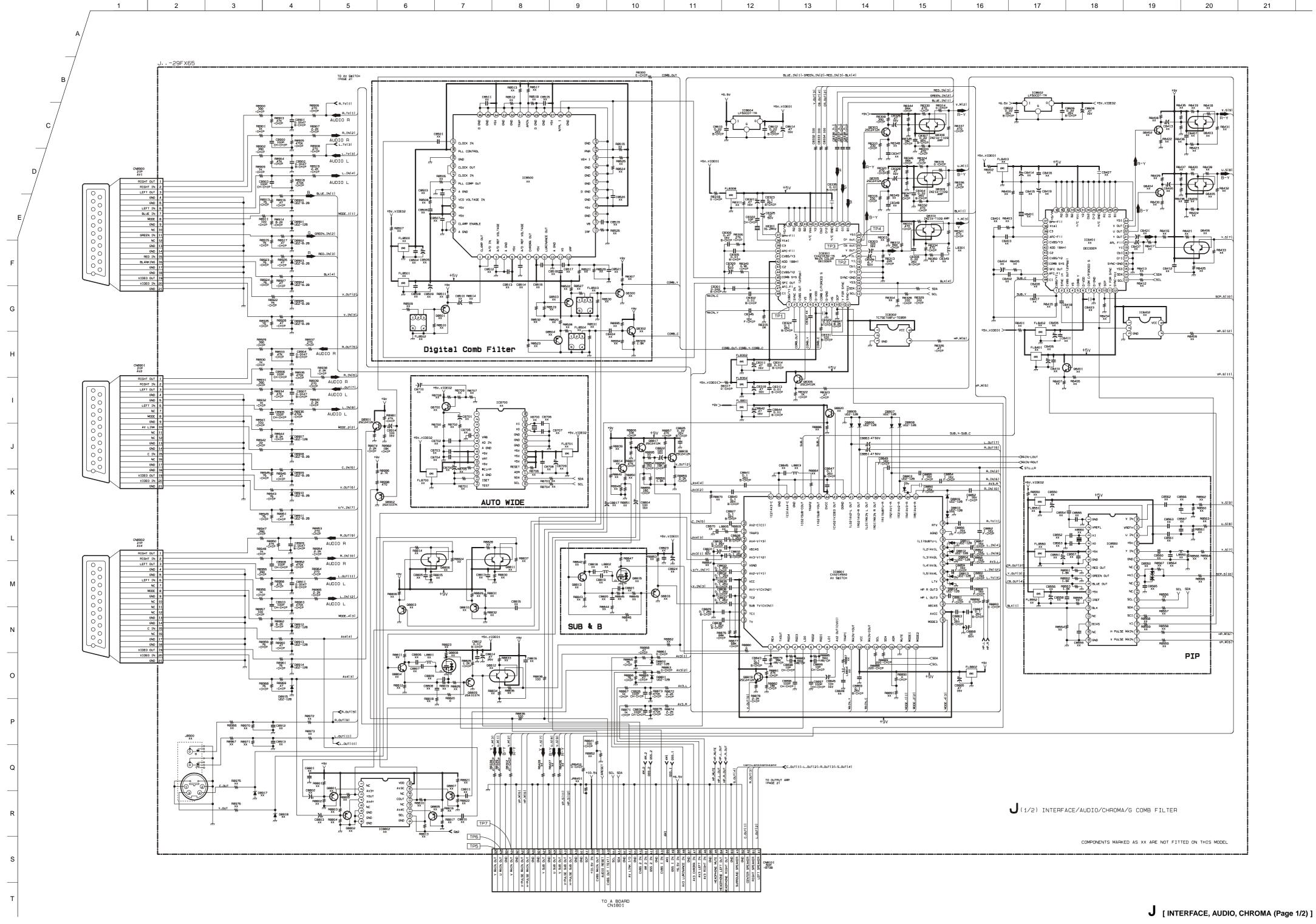
- 1	С	Q8150	A - 5	Q8405	G - 3	D8810	G - 4
IC8101	B - 5	Q8151	A - 5	Q8406	G - 2	D8811	D - 9
IC8150	B- 5	Q8152	A - 5	Q8501	F - 6	D8812	D - 8
IC8151	A - 4	Q8153	A - 5	Q8901	D - 1	D8813	G - 4
IC8200	J - 3	Q8154	A - 4	DIC	ODE	D8814	G - 4
IC8201	J - 4	Q8156	B - 4	D8150	A - 5	D8900	A - 3
IC8202	I - 3	Q8157	C - 4	D8151	A - 5	D8901	J - 8
IC8301	F - 2	Q8200	J - 3	D8152	A - 5	D8902	A - 3
IC8302	F - 1	Q8201	J - 4	D8153	I - 4	D8903	A - 3
IC8401	I - 2	Q8202	I - 4	D8200	B - 8	D8904	J - 7
IC8402	H - 2	Q8300	D - 1	D8201	B - 8	D8905	J - 7
IC8500	E - 2	Q8302	E - 1	D8202	H - 9	D8906	1 - 7
IC8550	G - 1	Q8303	F - 2	D8203	H - 8	D8907	I - 8
IC8601	I - 4	Q8305	E - 1	D8801	E - 8	D8908	I - 8
IC8602	H - 1	Q8306	F - 1	D8802	F - 4	D8909	I - 7
IC8603	I - 1	Q8308	E - 3	D8803	G - 3	D8910	I - 7
IC8604	I - 1	Q8309	F - 1	D8804	D - 9	D8911	I - 7
IC8700	C - 1	Q8310	E - 2	D8805	D - 8	D8912	D - 3
IC8801	F - 4	Q8401	H - 2	D8806	D - 8	D8913	H - 7
TRANS	SISTOR	Q8402	C - 7	D8807	D - 8	D8914	H - 7
Q8100	G - 9	Q8403	H - 3	D8808	D - 8	D8915	H - 7
Q8101	F - 9	Q8404	G - 2	D8809	G - 3		

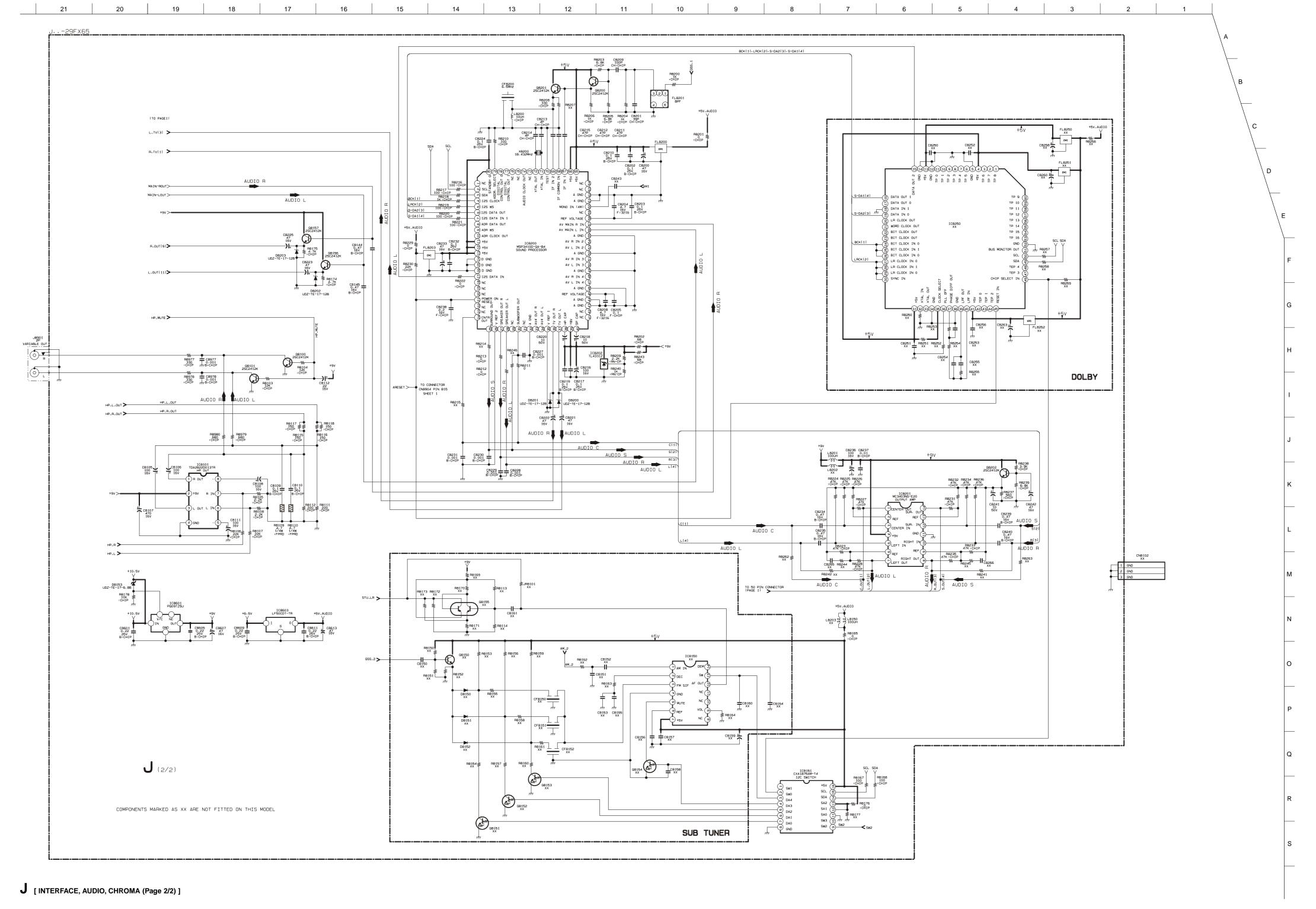
Semiconductor Voltage Table

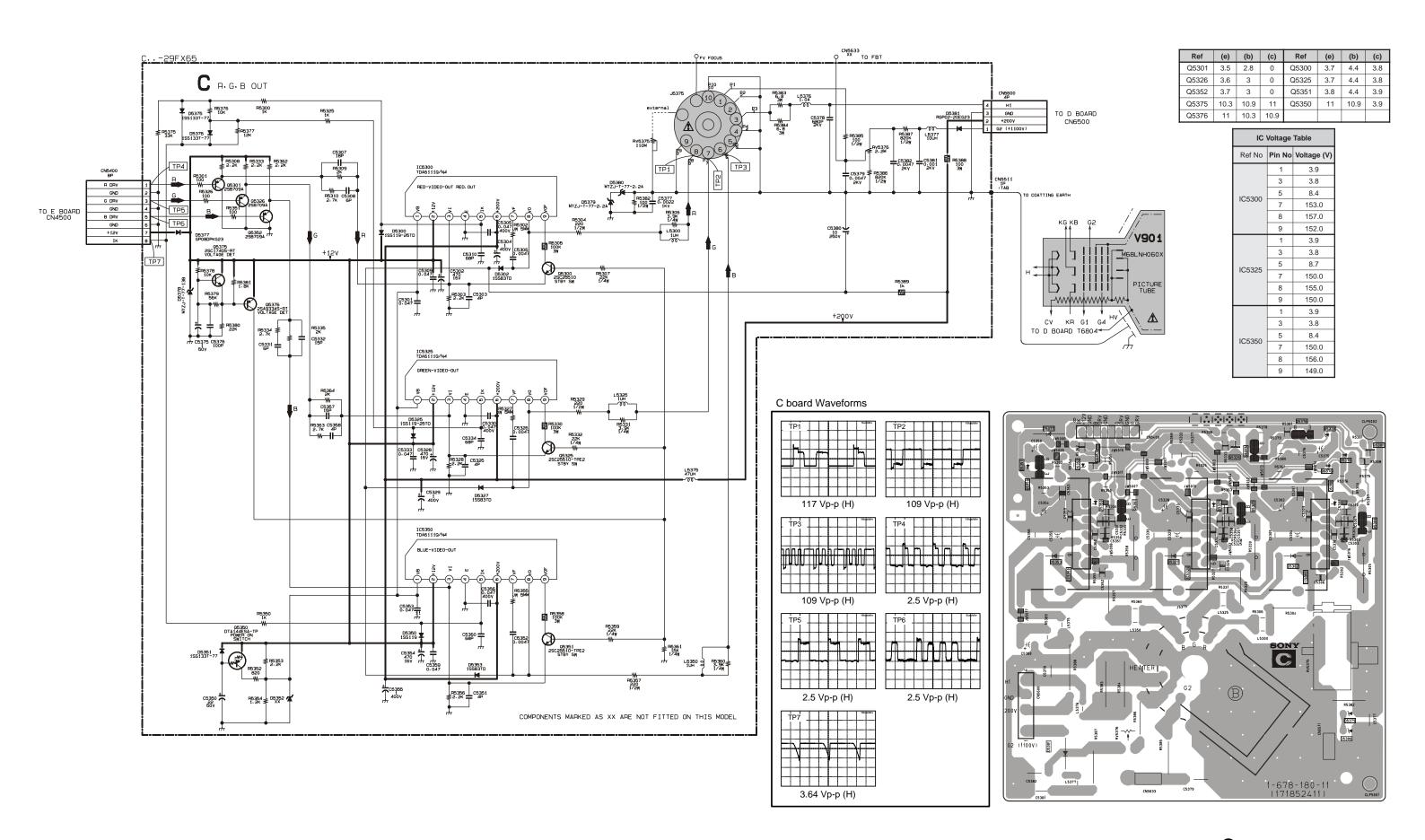
Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
Q8150	2.9	3.6	5.0	Q8302	1.0	1.6	9.0
Q8151	0	0.4	4.8	Q8303	1.3	1.9	7.7
Q8152	0	4.6	0	Q8305	1.3	1.9	7.3
Q8153	0	0.4	4.8	Q8306	0.1	0.1	5.0
Q8154	0	4.6	0	Q8401	0.1	0.1	5.0
Q8156	3.9	4.6	9.0	Q8404	1.2	1.9	7.4
Q8157	3.9	4.6	9.0	Q8809	2.7	2.1	0
Q8200	1.9	2.5	5.0	Q8817	3.9	4.6	9.0
Q8201	1.2	1.9	5.0	Q8901	1.9	2.5	9.0
Q8202	5.1	5.8	9.0	Ref	(s)	(g)	(d)
Q8300	1.6	1.0	0	Q8815	1.8	0	0.6

IC Voltage Table

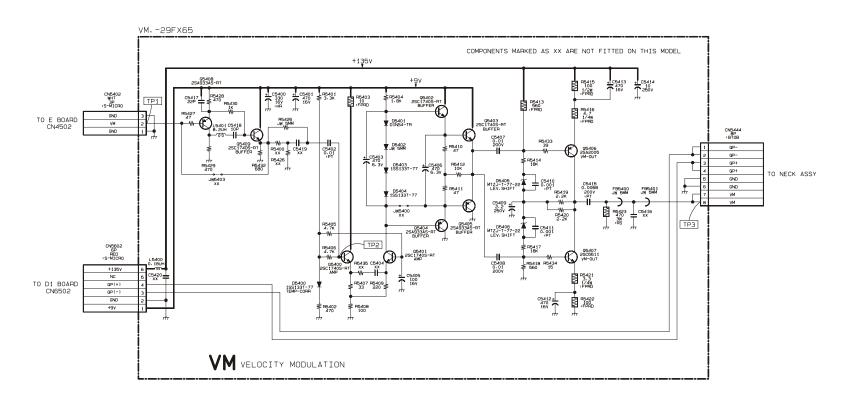
		IC Volta	ige Table		
Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)
	2-3	4.7		1-2	1.5
	4-6	2.5		3	0.5
	7	0.6		6	2.6
	17	0.7		7	0.9
	21	5.0		9	1.0
	36	3.8		11	2.8
	37	3.7	IC8500	12-13	1.8
	38	7.0	100300	14	1.0
IC8200	40	7.0		22-23	5.0
	45	3.7		26	5.0
	56-57	3.8		30	5.0
	58	2.6		37	2.4
	60	3.8		40-42	1.9
	67	0.4		44	1.9
	68-69	1.5		1	4.2
	71	2.4		3	4.1
	72	2.2	IC8101	5	0.6
	1-3	5.0		8	0.5
IC8201	5-10	5.0		1	1.8
	12-14	5.0		2-4	4.5
	1	2.4		5	0
	2	1.9		6-7	4.6
	3	1.5		8	0
	4	0.1		9	4.6
	5	2.4		10	3.4
	7	2.6		11	3.8
	9	0.3	IC8801	13	4.5
	10	0.8		22-30	4.5
IC8301	11	2.5		32-41	4.5
	13-14	4.5		43	4.6
	20	2.4		45	3.7
	21	1.8		46	3.5
	22-23	1.9 0.1		47 49	4.5
	25-27	2.5		51-80	4.5
	29	2.8		2	2.4
	37	1.1		3	4.6
	38	4.0		4	4.6
	1	2.3	IC8151	5	0.4
	2	1.9	108151	6	4.6
	4	0.1		7	0.4
	9	0.3		9	0
	10	4.0		10	2.6
	11	2.4		1	3.0
IC8401	20	2.4		2	2.5
	21	1.7	100150	3	1.7
	22-23 37	1.9	IC8150	12	4.3 2.4
	38	4.0		13	4.6
	40	3.3		14	2.5
	47	3.8			
	48	1.8			
			ı		



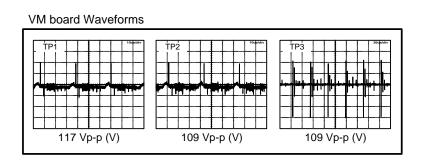


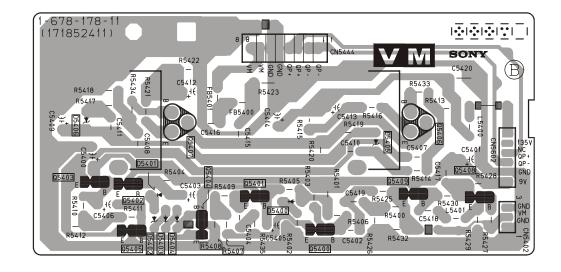


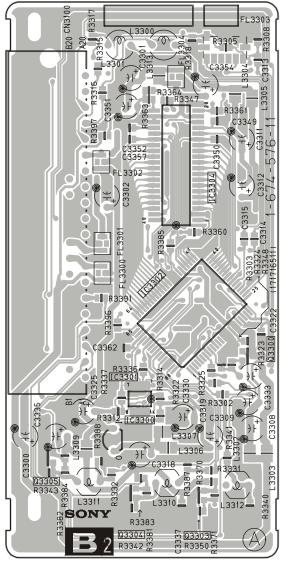
C [PRINTED WIRING BOARD]

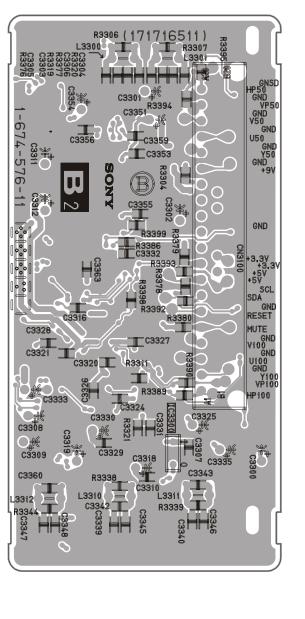


Ref	(e)	(b)	(c)
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Q5401	1.0	1.6	5.2
Q5402	6.0	6.6	9.0
Q5403	5.9	6.0	9.0
Q5404	5.2	5.9	0
Q5405	5.9	5.8	0
Q5406	135.1	134.6	68.2
Q5407	0.8	1.4	68.2
Q5408	7.6	6.9	1.4
Q5409	6.9	7.5	9.0





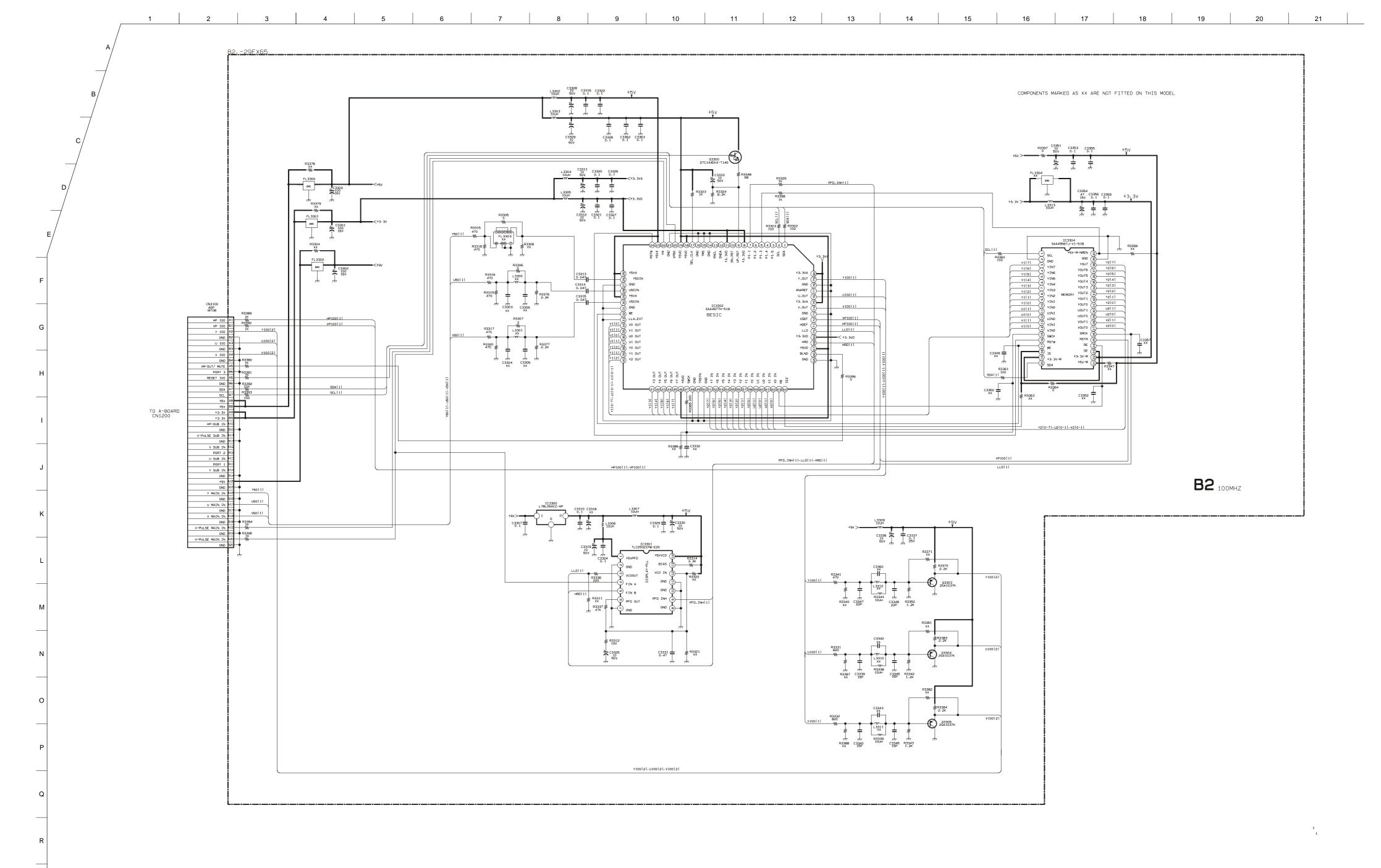




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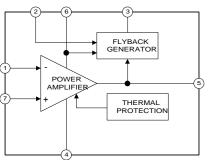
B2[PRINTED WIRING BOARD [B] SIDE]

VM[PRINTED WIRING BOARD]

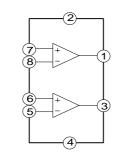


5-5. IC BLOCK DIAGRAMS

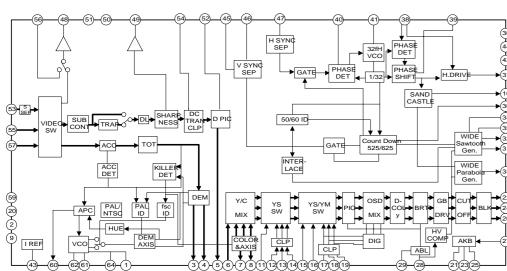
D BOARD IC6700 STV 9379

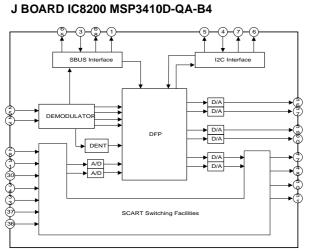


J BOARD IC8101 TDA2822D

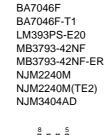


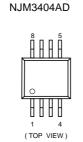
E BOARD IC4301 CXA2100Q-TL





5-4 SEMICONDUCTORS





CXA1855Q-T6

CXA1875AM-T4 HE4094BT MC14052BDR2 MC74F157ADR2 SN74LS221D 74HCT4046AD/S470

16 A A A A A A A

(TOP VIEW)

CXD2053S

TDA4780/V3

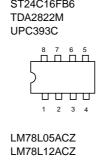
(TOP VIEW)



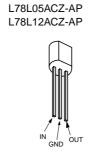
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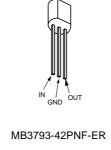
KA78R09TU

KA78R33TU



1 : V IN 2 : V OUT 3 : GND 4 : ON/OFF CONTROL

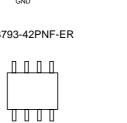


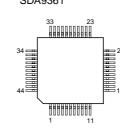


MB88141PF-ER

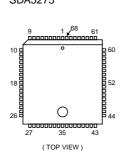
(TOP VIEW)

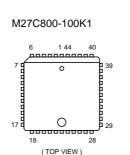
24 13

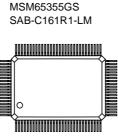


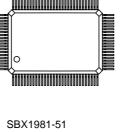


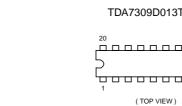
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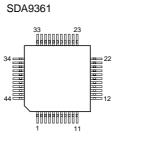




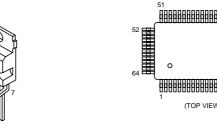




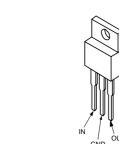




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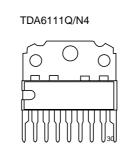




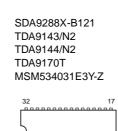


TC4S69F

C 5

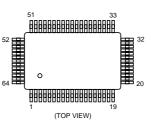




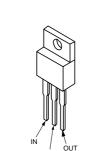


(TOP VIEW)

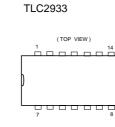
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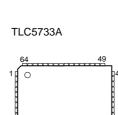


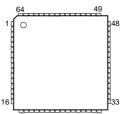
TEA6422DT















DTA144ESA

U2860B-BFPG3

<u> HHHHHH</u>

(TOP VIEW)

74LVC08D

BC546B

BC556B

IMZ1A-T109

IRF614

IRF620



2SA1837

2SC2500-B

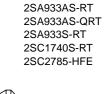
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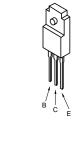
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2SC3997CA

2SC3840K

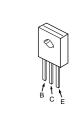
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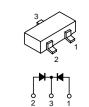


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2SD2396H



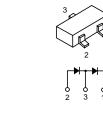
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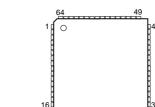


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DA204K DA204K-T-146

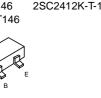








DTA144EK DTC144EK DTA144EK-T146 DTC144EK-T146 DTC114EK 2SA1037K-T-146-R DTC114YKA-T146 2SA1162-G DTC123EK 2SC2412K-QR DTC123EK-T146 2SC2412K-T-146-R DTC124EKA-T146

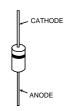


D1NL20-TA D1NL20U-TR D1NS4-TR EGP20G EL1Z GP08D

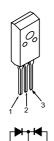
GP08DPKG23

RGP02-20EG23 RGP10GPKG23 RGP15GPKG23 S2LA20F 1SS133T-77 1SS83 1SS83TD

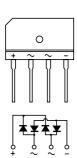
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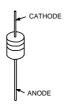
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D4SB60L D4SB60L-F RBA-402L



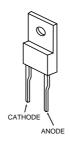
MTZJ-T-77-7.5B ERA15 ERA38-06TP1 MTZJ-T-77-9.1 ERA82-004TP1 MTZJ-T-77-12 MTZJ-T-77-22 GP08DPKG23 MTZJ-T-77-13B MTZJ-T-77-18B MTZJ-33C MTZJ-T-77-15 MTZJ-T-77-2.2A RD5.6ESB2 MTZJ-T-77-3-3B RD9.1ESB2 MTZJ-T-77-3.6A PGKE200AG23 MTZJ-T-77-4.7B 1SS119-25 MTZJ-T-77-5.6B 1SS119-25TD MTZJ-T-77-6.8



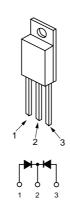
ERC04-06SE



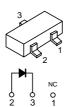
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ESAC39M-06C ESAC39M-06CF38



MA3033-L MA3033L-TX MA3056M-TX MA3062M-TX MA3030-H-(TX)



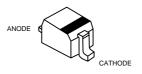
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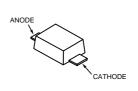
MA73-TX



1SS355TE-17 RD12SB2 UDZ-TE-17-3.9B UDZ-TE-17-4.7B UDZS-TE-17-5.6B UDZ-TE-17-6.2B UDZ-TE-17-6.8B UDZ-TE-17-8.2B UDZ-TE-12B



UF4005PKG23



SECTION 6 EXPLODED VIEWS

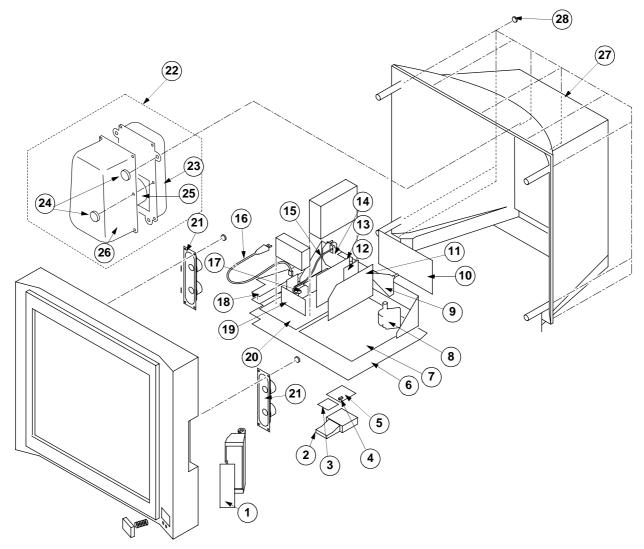
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.

Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items. Note: Les composants indentifies par une trame et par une marque △ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

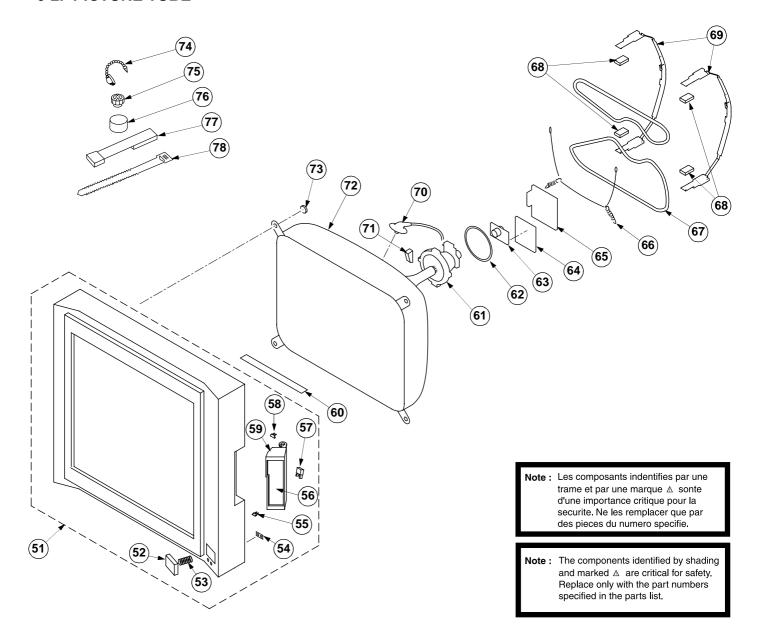
Note: The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

6-1. CHASSIS



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
1	*A-1646-218-A	H7 BOARD, COMPLETE		16 A	1-792-389-11	CORD, POWER	
2	*4-205-724-01	F4 BRACKET		17	1-693-340-11	TUNER/VIF(FR)	(KV-29FX65B)
3	*A-1646-217-A	H8 BOARD, COMPLETE			1-693-338-11	TUNER/VIF(AEP)	(KV-29FX65E/29FX65K)
4 🔝	1-571-433-21	SWITCH, PUSH (AC POWER)		18	*A-1624-086-A	F1 BOARD, COMP	LETE
5	*A-1624-089-A	F4 BOARD, COMPLETE		19	*A-1634-057-A	M1 BOARD, COMP	LETE
6	*4-205-196-02	MAIN BRACKET		20	*A-1632-913-A	A BOARD, COMPLI	ETE (KV-29FX65B)
7	*A-1640-398-A	D BOARD, COMPLETE			*A-1632-912-A	A BOARD, COMPLI	ETE (KV-29FX65E/29FX65K)
8 🛕	1-453-340-11	TRANSFORMER ASSY, FLYBACK	(NX4522//U214)	21	1-529-899-11	SPEAKER (24X4.	2CM)
9	*4-204-476-04	BRACKET, J1		22	*A-1678-191-A	WOOFER ASSY (S	P) 23-26
10	*A-1651-137-A	J BOARD, COMPLETE		23	*4-204-775-01	BAFFLE, WOOFER	
11	*A-1640-380-A	D1 BOARD, COMPLETE		24	7-685-663-71	SCREW +BVTP 4X	16 TYPE 2 IT-3
12	*A-1640-381-A	E BOARD, COMPLETE		25	1-529-417-11	SPEAKER (8CM)	
13	*A-1620-132-A	B2 BOARD, COMPLETE		26	*4-204-776-01	BOX, WOOFER	
14	*4-204-477-04	BRACKET, J2		27	4-205-721-01	REAR COVER	
15	1-790-082-11	CABLE, RF		28	7-685-663-79	SCREW +BVTP 4X	16 TYPE 2 IT-3

6-2. PICTURE TUBE



REF. NO.		PART.NO	DESCRIPTION	REMARK	REF. No	0.	PART.NO	DESCRIPTION	REMARK
51		X-4200-636-1	BEZNET ASSY	52-59	66		4-369-318-21	SPRING, TENSION	
52		4-205-720-01	POWER BUTTON		67	Δ	1-416-654-11	COIL, DEMAGNETIC	
53		4-204-426-01	SPRING		68		4-203-390-11	CUSHION, DGC	
54		4-205-726-01	GUIDE, LIGHT		69		*4-204-768-01	HOLDER, DGC (29")
55		3-022-410-01	DAMPER		70	Δ	1-251-807-22	CAP ASSY, HIGH-V	OLTAGE
56		4-205-722-01	DOOR		71		3-704-495-01	SPACER, DY	
57		4-047-464-01	CATCHER, PUSH		72	Δ	8-735-053-05	PICTURE TUBE (M	68LNH060X)
58		4-205-725-01	DOOR SPRING		73		4-046-765-12	SCREW, TAPPING 7	+CROWN WASHER
59		4-205-723-01	DOOR BRACKET		74		4-308-870-00	CLIP, LEAD WIRE	
60		4-204-058-31	SHEET, BLOTTING		75		1-452-094-00	MAGNET, ROTATABLE	E DISK; 15MM
61	Δ	8-451-504-31	DEFLECTION YOKE	(Y29RSC-S)	76		1-452-032-00	MAGNET, DISK; 10	MM
62		1-452-896-11	COIL, NA ROTATIO	N (RT200)	77		X-4387-214-1	PERMALLOY ASSY,	CORRECTION
63	Δ	8-453-011-11	NECK ASSY, (NA29	9-M)	78		3-701-007-00	BAND, BINDING	
64		*A-1644-108-A	VM BOARD, COMPLE	TE					
65		*A-1638-139-A	C BOARD, COMPLET	'E					

SECTION 7 ELECTRICAL PARTS LIST

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Note: Refer to the designated variant parts list when seeking a part indicated by an asterisk (*) Parts indicated (#) on the Schematic Diagram are not used in this model and

therefore do not appear in the Parts List.

The components identified by shading and marked Δ are critical for safety Replace only with the part number specified.

F4

H8

H7

10.00% 25V

B2

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
*A-16	24-089-A F	4 Board, Complete	e		< SOCKET	>	
	< CONNECT	OR >		J7900	1-779-947-11	TERMINAL BLOCK, S	
				J7925	1-785-448-11	•	
CN7601	△ *1-691-291-11	PIN, CONNECTOR (PC B	OARD) 5P				
CN7602	<u>↑</u> *1-580-844-11	PIN, CONNECTOR (POWE	R)		< COIL >		
	< SWITCH	>		L7901		LEAD, JUMPER (5.0MM)	
				L7902		LEAD, JUMPER (5.0MM)	
S7601 .	△ 1-571-433-21	SWITCH, PUSH (AC POW	ER)	L7925 L7926	1-414-183-41 1-414-183-41		
* ^ 46	46 247 A L	10 Board Complet		11/920	1-414-103-41	INDUCTOR 100H	
*A-16	46-21 <i>1-</i> A F	18 Board, Complet	e		< RESIST	OR >	
	4-203-258-01	HOLDER, LED		R7901	1-249-417-11	CARBON 1K 59	ł 1/4W
				R7901	1-247-895-91		
	< CAPACIT	OR >		R7903	1-247-895-91		
07150	1-126-969-11	ELECT 220UF	20 000 507	R7905	1-249-417-11		
C7150	1-126-969-11	ELECT 2200F	20.00% 50V	R7910	1-249-429-11	CARBON 10K 5%	
	< CONNECT	OR >					
				R7911	1-249-425-11		
CN7150	*1-564-519-11	PLUG, CONNECTOR 4P		R7912 R7913	1-249-429-11 1-249-421-11		·
				R7913			
	< DIODE >	•		R7915	1-249-425-11		
D7150	8-719-081-56	DIODE L-59SRGC-CC			< SWITCH	>	
	< IC >				1 01122011		
				S7900		SWITCH, TACTILE	
IC7150	8-749-014-59	IC TSOP1740KS1		\$7901 \$7902		SWITCH, TACTILE SWITCH, TACTILE	
	< RESISTO)R >		57302	1 //1 /4/ 11	DWITCH, TACITUD	
	(120101)			*A-162	20-132-A E	32 Board, Complete	
R7150	1-249-409-11		·	-			
R7151	1-249-411-11	CARBON 330	5% 1/4W		< CAPACI	TOR >	
*A-16	46-218-A F	17 Board, Complet	e	C3300	1-126-933-11	ELECT 100UF	20.00% 16V
				C3301	1-126-933-11		20.00% 16V
	< CAPACIT	TOR >		C3302	1-126-933-11		20.00% 16V
				C3307		CERAMIC CHIP 0.1UF	10.00% 25V
C7900	1-101-810-00	CERAMIC 100PF	5.00% 500V	C3308	1-126-964-11	ELECT 10UF	20.00% 50V
C7901	1-101-810-00		5.00% 500V	C3309	1-126-964-11	ELECT 10UF	20.00% 50V
C7903	1-535-143-61			C3310	1-164-004-11		10.00% 25V
C7904		LEAD, JUMPER (5.0MM)	F 000 F077	C3311	1-126-964-11		20.00% 50V
C7925	1-137-372-11	MYLAR 0.022UF	5.00% 50V	C3312	1-126-964-11	ELECT 10UF	20.00% 50V
C7926	1-137-372-11	MYLAR 0.022UF	5.00% 50V	C3313	1-163-809-11	CERAMIC CHIP 0.047UF	10.00% 25V
	/ 00107505	IOD >		C3314	1-163-809-11	CERAMIC CHIP 0.047UF	10.00% 25V
	< CONNECT	TUK >		C3315		CERAMIC CHIP 0.047UF	10.00% 25V
CN7902	*1-564-519-11	PLUG, CONNECTOR 3P		C3316	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
CN7902		PLUG, CONNECTOR 11P		C3319	1-126-964-11		20.00% 50V
				C3320	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
				C3321	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V

C3322

1-164-004-11 CERAMIC CHIP 0.1UF

C3324 C3325 C3326 C3327 C3328	1-164-004-11 1-126-964-11	CERAMIC CHIP 0.1	.UF 10.	00% 25V	T 2200					
C3326 C3327	1-126-964-11			00% ZJV	L3309	1-412-029-11	INDUCTOR CHIP	10UH	I	
C3326 C3327		ELECT 100	JF 20.	00% 50V	L3313	1-412-029-11	INDUCTOR CHIP	10UH	l	
C3327	1-164-004-11	CERAMIC CHIP 0.1		00% 25V						
	1-164-004-11	CERAMIC CHIP 0.1	.UF 10.	00% 25V		< TRANSIS	TOR >			
	1-164-004-11	CERAMIC CHIP 0.1	UF 10.	00% 25V						
					Q3300	1-801-806-11	TRANSISTOR DT	C144EK	A-T14	6
:3329	1-164-004-11	CERAMIC CHIP 0.1	.UF 10.	00% 25V	Q3303	8-729-216-22	TRANSISTOR 2S	A1037K	-T-14	6-R
:3330	1-126-964-11	ELECT 10U	JF 20.	00% 50V	Q3304	8-729-216-22	TRANSISTOR 2S	A1037K	-T-14	6-R
3331	1-107-823-11	CERAMIC CHIP 0.4	7UF 10.	00% 16V	Q3305	8-729-216-22	TRANSISTOR 2S	A1037K	-T-14	6-R
3333	1-126-964-11	ELECT 10U	JF 20.	00% 50V						
3335	1-126-964-11	ELECT 100	JF 20.	00% 50V		< RESISTO	R >			
3337	1-164-004-11	CERAMIC CHIP 0.1	.UF 10.	00% 25V	R3302	1-216-025-91	RES-CHIP	100	5%	1/10W
3339		CERAMIC CHIP 15		10% 50V	R3303	1-216-025-91		100	5%	1/10W
3340		CERAMIC CHIP 15E		10% 50V	R3305	1-216-295-91		0		-,
3345		CERAMIC CHIP 15E		10% 50V	R3306	1-216-295-91		0		
3346		CERAMIC CHIP 15E		10% 50V	R3307	1-216-295-91		0		
			0.0		1.5507		J	•		
3347	1-163-235-11	CERAMIC CHIP 22E	PF 5.0	10% 50V	R3312	1-216-025-91	RES-CHIP	100	5%	1/10W
3348	1-163-235-11	CERAMIC CHIP 22F	PF 5.0	10% 50V	R3314	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
3351	1-126-964-11	ELECT 100	JF 20.	00% 50V	R3315	1-216-041-00	RES-CHIP	470	5%	1/10W
3353	1-164-004-11	CERAMIC CHIP 0.1	.UF 10.	00% 25V	R3316	1-216-041-00	RES-CHIP	470	5%	1/10W
3354	1-104-664-11	ELECT 470	JF 20.	00% 16V	R3317	1-216-041-00	RES-CHIP	470	5%	1/10W
3355	1-164-004-11	CERAMIC CHIP 0.1	.UF 10.	00% 25V	R3318	1-216-041-00	RES-CHIP	470	5%	1/10W
3356		CERAMIC CHIP 0.1		00% 25V	R3319	1-216-041-00		470	5%	1/10W
3359		CERAMIC CHIP 0.1		00% 25V	R3320	1-216-041-00		470	5 %	1/10W
3362		CERAMIC CHIP 0.1		00% 25V	R3323	1-216-049-91		1K	5%	1/10W
3363		CERAMIC CHIP 0.1		00% 25V	R3324	1-216-071-00		8.2K		1/10W
					2005	1 016 040 04			F 0	4 /4 0
	< CONNECT	OR >			R3325	1-216-049-91		1K	5% - ∘	1/10W
-0100	1 (05 001 11		. =0 =0.== 40		R3331	1-216-047-91		820	5% •••	1/10W
N3100	1-695-301-11	CONNECTOR, BOARD	TO BOARD 40)P	R3332	1-216-047-91		820	5% - ∘	1/10W
					R3336	1-216-033-00		220	5% 5°	1/10W
	< FILTER	>			R3337	1-216-089-91	RES-CHIP	47K	5%	1/10W
L3300	1-233-736-21	FILTER, EMI			R3338	1-412-006-31	INDUCTOR CHIP	10UH		
L3301	1-233-736-21	FILTER, EMI			R3339	1-412-006-31	INDUCTOR CHIP	10UH		
L3302	1-233-736-21	•			R3341	1-216-041-00	RES-CHIP	470	5%	1/10W
					R3342	1-216-051-00	RES-CHIP	1.2K	5%	1/10W
	< IC >				R3343	1-216-051-00	RES-CHIP	1.2K	5%	1/10W
C3300	8-759-991-41	IC L78L05ACZ-AP			R3344	1-412-006-31	INDUCTOR CHIP	10UH		
C3301		IC TLC2932IPW-E2	.0		R3348	1-216-021-00		68	5%	1/10W
C3302		IC SAA4977H-518			R3350	1-216-051-00		1.2K		1/10W
C3304		IC SAA4956TJ-V1-	·518		R3360	1-216-025-91		100	5 %	1/10W
			-		R3361	1-216-025-91		100	5 %	1/10W
	< COIT >				R3364	1-216-295-91	CU∩D#	0		
3302	1_/12_020_11	INDUCTOR CHIP 1	١		R3370	1-216-293-91		•	5 9	1/10W
								2.2K		•
3303		INDUCTOR CHIP 1			R3376	1-216-057-00		2.2K		1/10W
3304			.OUH		R3377	1-216-057-00		2.2K		1/10W
3305 3306		INDUCTOR CHIP 1 INDUCTOR CHIP 1	HUO.		R3380	1-216-049-91	KES-CHIP	1K	5%	1/10W
2200	1-417-073-11	INDUCTOR CUIL 1	.von		R3383	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
		INDUCTOR CHIP 1			R3384	1-216-057-00		2.2K		1/10W

The components identified by shading and marked \triangle are critical for safety Replace only with the part number specified.







REF. NO.	PART.NO	DESCRIPTIO	N	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R3385	1-216-033-00	RES-CHIP	220 5	k 1/10W	*A-16	32-913-A	A Board, Complete	
R3389	1-216-049-91	RES-CHIP	1K 5	₹ 1/10W			(V-29FX65B)	
R3390	1-216-049-91	RES-CHIP	1K 5	₹ 1/10W	*A-16		A Board, Complete	
R3391	1-216-049-91	RES-CHIP	1K 5	₹ 1/10W		(KV-29FX65E/29FX65	K)
R3392	1-216-025-91	RES-CHIP	100 5	} 1/10W				
R3393	1-216-025-91	RES-CHIP	100 5	% 1/10W	A Boa	ard, Common	Parts	
R3394	1-216-049-91	RES-CHIP	1K 5	} 1/10₩				
R3395	1-216-049-91	RES-CHIP	1K 5	₹ 1/10W		4-382-854-11	SCREW (M3X10), P, SW (+)
R3396	1-216-295-91	SHORT	0					
R3397	1-216-295-91	SHORT	0			< CAPACI	TOR >	
R3398	1-216-049-91	RES-CHIP	1K 5	% 1/10W	C1100	1-104-664-11		20.00% 25V
				,	C1101	1-126-943-11		20.00% 25V
* 160	24-086-A F	1 Board, Co	amplata		C1126		CERAMIC CHIP 0.33UF	10.00% 16V
A-102	24-000-A F	o Board, Co	ompiete		C1127	1-136-175-00		5.00% 50V
	*4-374-846-01	COVER, CAPAC	ITOR, CAP	TYPE	C1128	1-163-135-00	CERAMIC CHIP 560PF	5.00% 50V
		•	,		C1129	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
	< CAPACI	TOR >			C1130	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
					C1131	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C7626 △	1-136-527-12	FILM	0.47UF	20.00% 300V	C1132	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
	< CONNECT	ror >			C1133	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
	COMMEC	ION >			C1134	1-126-961-11	ELECT 2.2UF	20.00% 50V
CN7611 △	<u>1</u> *1-580-843-11	PIN, CONNECT	OR (POWER		C1135		CERAMIC CHIP 0.1UF	10.00% 25V
CN7622	1-695-915-11	TAB (CONTACT)		C1136	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
CN7633 △	1 ×1−580−843−11 1 1 1 1 1 1 1 1 1	PIN, CONNECT	OR (POWER		C1137	1-126-953-11	ELECT 2200UF	20.00% 35V
CN7655	1-695-915-11	TAB (CONTACT)		C1138	1-126-953-11	ELECT 2200UF	20.00% 35V
	< FUSE >				C1140	1-111-216-91	ELECT 150UF	20.00% 63V
					C1141		CERAMIC CHIP 2.2UF	16V
F7626 △	1-576-232-11	FUSE (H.B.C.) 5A/250V		C1142	1-130-777-00		5.00% 63V
Δ	1-533-725-11	HOLDER, FUSE	(F7626)		C1151	1-162-568-11	CERAMIC CHIP 0.33UF	10.00% 16V
	✓ DECICE	א מר			C1152	1-136-175-00	FILM 0.68UF	5.00% 50V
	< RESISTO	JK >			C1153	1-163-135-00	CERAMIC CHIP 560PF	5.00% 50V
R7626 △	1-202-719-00	SOLID	1M 2	0% 1/2W	C1154		CERAMIC CHIP 0.1UF	10.00% 50V
R7627 △	1-220-797-11	CEMENTED	0.47 5	} 10W	C1155		CERAMIC CHIP 0.0047UF	10.00% 50V
					C1156		CERAMIC CHIP 100PF	5.00% 50V
	< TRANSFO	ORMER >			C1157	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
LF7627 △	1-433-488-11	TRANSFORMER,	LINE FIL	rer	C1158	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
					C1150		CERAMIC CHIP 0.1UF	10.00% 25V
	< VARISTO	OR >			C1160		CERAMIC CHIP 0.1UF	10.00% 25V
					C1162	1-111-216-91		20.00% 63V
VD7626 △	1-803-830-11	VARISTOR (ER	ZV14D621)		C1163		CERAMIC CHIP 2.2UF	16V
					01164	1_120 777 ^^	MVI XD A 1115	E 000 6317
					C1164 C1177	1-130-777-00	MYLAR 0.1UF CERAMIC CHIP 0.1UF	5.00% 63V 10.00% 25V
					C1177	1-104-004-11		20.00% 25V
					C1178	1-126-965-11		20.00% 50V 20.00% 50V
					C1180	1-126-952-11		20.00% 35V
					01101	1 100 050 11	DI DOM 1000	20 000 2517
					C1181	1-126-952-11		20.00% 35V
					C1182		CERAMIC CHIP 0.1UF	10.00% 25V

C1183

1-164-004-11 CERAMIC CHIP 0.1UF

10.00% 25V



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	ON	REMARK
C1184	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	D1407	8-719-069-55	DIODE UDZS-	TE17-5.6B	
C1226	1-104-661-91	ELECT 330UF	20.00% 16V	D1408	8-719-069-55	DIODE UDZS-	TE17-5.6B	
C1227	1-164-505-11	CERAMIC CHIP 2.2UF	16V	D1626	8-719-914-43	DIODE DAN20	2K-T-146	
C1326		CERAMIC CHIP 0.01UF	10.00% 50V	D1627	8-719-914-43	DIODE DAN20	2K-T-146	
C1327	1-126-934-11		20.00% 10V	D1629	8-719-914-43			
CIJZ	1 120 754 11	1111C1 22001	20.000 100	51023	0 /17 /14 45	DIODE DAMEO	ZN 1 140	
C1328	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V		< FERRITE	BEAD >		
C1601	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V					
C1602	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	FB1126	1-410-397-21	FERRITE	1.1UH	
C1603	1-126-933-11	ELECT 100UF	20.00% 16V	FB1127	1-410-397-21	FERRITE	1.1UH	
C1604	1-126-933-11	ELECT 100UF	20.00% 16V	FB1151	1-410-397-21	FERRITE	1.1UH	
				FB1152	1-410-397-21	FERRITE	1.1UH	
C1605	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	FB1901	1-414-553-11	FERRITE	OUH	
C1607	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V					
C1608	1-126-934-11		20.00% 16V	FB1903	1-414-553-11	FERRITE	OUH	
C1610		CERAMIC CHIP 0.1UF	10.00% 25V	FB1904	1-414-553-11		OUH	
C1611	1-126-933-11		20.00% 16V		1-414-553-11		OUH	
CIUII	1-120-333-11	EDECI IOOU	20.000 10V	FB1905 FB1906	1-414-553-11		OUH	
01.610	1 164 004 11	0003WT0 00T0 A 100	10 000 05**					
C1612		CERAMIC CHIP 0.1UF	10.00% 25V	FB1907	1-414-553-11	FERRITE	0UH	
C1613	1-126-933-91		20.00% 16V					
C1615		CERAMIC CHIP 0.1UF	10.00% 25V		< IC >			
C1617	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V					
				IC1126	8-759-544-25	IC TDA7482		
	< CONNECT	TOR >		IC1151	8-759-544-25	IC TDA7482		
				IC1176	8-759-333-24	IC LM1876TF		
CN1111	*1-564-520-11	PLUG, CONNECTOR 5P		IC1400	8-752-072-94	IC CXA1875A	M-T4	
CN1200	1-695-298-11	CONNECTOR, BOARD TO B	OARD 40P	IC1601	8-759-069-28	IC PO05RF11		
CN1401		CONNECTOR, BOARD TO B				-		
CN1600		CONNECTOR ASSY 20P		IC1602	8-759-574-76	TC KA78R05-	SYDTU	
CN1601		CONNECTOR ASSY 20P		IC1604	8-759-054-12			
0111001	1 300 303 01	COMMEDIUM MODI EVI		IC1605	8-759-069-28			
CN1602	1-900-903-64	CONNECTOR ASSY 20P		101003	0 733 003 20	10 12031111		
CN1700		PLUG, CONNECTOR 4P			< COIL >			
CN1702		PLUG, CONNECTOR 3P			(0012)			
CN1702		PLUG, CONNECTOR 11P		L1126	1-416-857-11	TMDHCTOD	65UH	
CN1703		CONNECTOR, BOARD TO B	ממגר במת ה	L1127	1-414-158-11		2.2UH	
CNIOUI	1-093-299-11	CONNECTOR, BOARD TO B	UARD SUP					
OV1 000	±1 FC4 FAC 41	DING GOVERNMENT OF		L1128	1-414-158-11		2.2UH	
CN1802		PLUG, CONNECTOR 3P		L1151	1-416-857-11		65UH	
CN1901		CONNECTOR, BOARD TO B	UARD 4UP	L1152	1-414-158-11	INDÚCTÓR	2.2UH	
CN1902		PLUG, CONNECTOR 4P						
CN1904		PLUG, CONNECTOR 3P		L1153	1-414-158-11		2.2UH	
CN1988	*1-564-507-11	PLUG, CONNECTOR 4P		L1326	1-414-183-41	INDUCTOR	10UH	
	< DIODE >	>			< TRANSIS	STOR >		
D1100	0 710 014 40	DTODE D3330000 m 140		01100	0 700 000 40	mp x Moromor	20310273V m146 5	
D1100		DIODE DAN202K-T-146		Q1100			2SA1037AK-T146-R	
D1101		DIODE DAP202K-T-146		Q1101			2SC2412K-T-146-R	
D1102		DIODE DAN202K-T-146		Q1201			2SC2412K-T-146-R	
D1103		DIODE DAN202K-T-146		Q1202			2SC2412K-T-146-R	
D1104	8-719-914-43	DIODE DAN202K-T-146		Q1204	8-729-120-28	TRANSISTOR	2SC2412K-T-146-R	
D1201	8-719-976-96	DIODE UDZ-TE-17-4.7B		Q1226	8-729-120-28	TRANSISTOR	2SC2412K-T-146-R	
D1401		DIODE UDZ-TE-17-6.2B		Q1227			2SC2412K-T-146-R	
D1402		DIODE UDZ-TE-17-6.2B		Q1229			DTA144EKA-T146	
D1405		DIODE DAP202K-T-146		Q1326			2SC2412K-T-146-R	
D1405		DIODE DAN202K-T-146		Q1320 Q1327			25C2412R-1-146-R 2SA1037AK-T146-R	
TINO	0-113-314-43	PIONE DUNEASURE 1-140		Ž1321	0-123-020-49	TUNNSTSTOK	TOWING LEVEL TIMES	

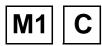


REF. NO.	PART.NO	DESCRIPTION		REMARK	REF. NO.	PART.NO	DESCRIPTION	ON		REMARK
21328	8-729-120-28	TRANSISTOR 2S	C2412K-T-146	i-R	R1326	1-216-025-91	RES-CHIP	100	5%	1/10W
1329	8-729-026-49	TRANSISTOR 2S	A1037AK-T146	i-R	R1327	1-216-025-91	RES-CHIP	100	5%	1/10W
1601		TRANSISTOR 2S			R1328	1-216-073-00		10K	5%	1/10W
1626		TRANSISTOR 2S			R1329	1-216-025-91		100	5%	1/10W
1020	0 723 120 20	INMIDION ZO	02112N 1 110	· K	R1330	1-216-041-00		470	5%	1/10W
	< RESISTO	OR >								
					R1331	1-216-041-00		470	5%	1/10W
TR1203	1-216-296-91		0		R1332	1-216-041-00		470	5%	1/10W
R1601	1-216-296-91	SHORT	0		R1333	1-216-075-00	RES-CHIP	12K	5%	1/10W
					R1334	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
1001	1-216-295-91	SHORT	0		R1335	1-216-025-91	RES-CHIP	100	5%	1/10W
1002	1-216-295-91	SHORT	0							
1003	1-216-295-91	SHORT	0		R1336	1-216-041-00	RES-CHIP	470	5%	1/10W
1004	1-216-295-91	SHORT	0		R1337	1-216-041-00	RES-CHIP	470	5%	1/10W
1005	1-216-295-91	SHORT	0		R1338	1-216-001-00	RES-CHIP	10	5%	1/10W
					R1339	1-216-041-00	RES-CHIP	470	5%	1/10W
1006	1-216-295-91	SHORT	0		R1340	1-216-043-91		560	5%	1/10W
1100	1-216-025-91		100 5%	1/10W						÷
1101	1-216-057-00		2.2K 5%	1/10W	R1342	1-216-073-00	RES-CHIP	10K	5%	1/10W
1103	1-216-089-91		47K 5%	1/10W	R1403	1-216-295-91		0		• • •
1104	1-216-296-91		0	-,	R1404	1-216-295-91		0		
7	1 210 290 91	Juvili	•		R1404	1-216-295-91		100	5%	1/10W
1126	1-216-631-11	METAT CUTD	150 0.5%	1/10W	R1407	1-216-025-91		100	5%	1/10W
1127	1-216-031-11		10K 5%	1/10W	K1407	1-210-025-91	RES-CHIP	100	J*	1/10#
					D1400	1 016 005 01	DEC CUID	100	E 0.	1 /1 014
1128	1-216-041-00			1/10W	R1408	1-216-025-91		100	5% 5°	1/10W
1151	1-216-631-11			1/10W	R1409	1-216-025-91		100	5% = °	1/10W
1152	1-216-075-00	RES-CHIP	12K 5%	1/10W	R1410	1-216-025-91		100	5%	1/10W
4450	1 016 041 00		450 50	4 /4 0	R1411	1-216-295-91		0		
1153	1-216-041-00		470 5%	1/10W	R1412	1-216-295-91	SHORT	0		
1176	1-216-063-91		3.9K 5%	1/10W						
1179	1-216-357-00		4.7 5%	1W	R1601	1-216-057-00		2.2K		1/10W
1180	1-216-081-00		22K 5%	1/10W	R1602	1-216-691-11		47K		1/10W
1181	1-216-045-00	RES-CHIP	680 5%	1/10W	R1603	1-216-025-91		100	5%	1/10W
					R1605	1-216-049-91	RES-CHIP	1K	5%	1/10W
1182	1-216-081-00		22K 5%	1/10W	R1609	1-216-089-91	RES-CHIP	47K	5%	1/10W
1183	1-216-045-00	RES-CHIP	680 5%	1/10W						
1184	1-216-089-91	RES-CHIP	47K 5%	1/10W	R1610	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
1185	1-216-089-91	RES-CHIP	47K 5%	1/10W	R1616	1-216-304-11	RES-CHIP	3.3	5%	1/10W
1201	1-216-089-91	RES-CHIP	47K 5%	1/10W	R1617	1-216-304-11	RES-CHIP	3.3	5%	1/10W
					R1618	1-216-295-91	SHORT	0		
1202	1-216-083-00	RES-CHIP	27K 5%	1/10W	R1621	1-216-027-00	RES-CHIP	120	5%	1/10W
1203	1-216-083-00		27K 5%	1/10W						
1204	1-216-071-00		8.2K 5%	1/10W	R1622	1-216-029-00	RES-CHIP	150	5%	1/10W
1205	1-216-089-91		47K 5%	1/10W	R1623	1-216-033-00		220	5%	1/10W
1206	1-216-073-00		10K 5%	1/10W	R1625	1-216-295-91		0	- *	
1200	1_216 000 01	DEC_CUID	17V F0.	1 /1 0ធ						
1208	1-216-089-91		47K 5%	1/10W	A Boa	rd, Variant Pa	arts KV-29	FX65B	/29F)	(65E/29FX65k
1209	1-216-065-91		4.7K 5%	1/10W						
1210	1-216-089-91		47K 5%	1/10W		< TUNER >	•			
1227	1-216-073-00		10K 5%	1/10W						
1228	1-216-073-00	RES-CHIP	10K 5%	1/10W	TU1326	1-693-340-11			FX65B)	
1229	1-216-073-00	RES-CHID	10K 5%	1/10W		1-693-338-11	TUNER/VIF	(KV-29	FX65E/	29FX65K)
1230			1.8K 5%	·						
1230	1-216-055-00			1/10W						
1232	1-216-295-91 1-216-049-91		0 1K 5%	1/10W						



REF. NO.	PART.NO	DESCRIPTION	REMA	ARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
*Δ-163	34-057-A N	M1 Board, Cor	mplete		C9518	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
/\		iri Boara, ooi	mproto		C9519	1-126-964-11	ELECT 10UF	20.00% 50V
	< CAPACIT	TOR >			C9520	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C9100	1-115-340-11	CERAMIC CHIP 0	.22UF 10.00% 2	5V		< CONNECT	OR >	
C9101	1-163-251-11	CERAMIC CHIP 1	00PF 5.00% 5	VO				
C9102	1-163-251-11	CERAMIC CHIP 1	00PF 5.00% 5	VO	CN9101	1-695-301-11	CONNECTOR, BOARD TO E	OARD 40P
C9104	1-104-664-11	ELECT 4	7UF 20.00% 2	5V				
C9105	1-164-004-11	CERAMIC CHIP 0	.1UF 10.00% 2	5V		< DIODE >		
C9110		CERAMIC CHIP 0		6V	D9100	8-719-988-61	DIODE 1SS355TE-17	
C9111	1-164-157-11	CERAMIC CHIP 0	.068UF 10.00% 2	5V	D9101	8-719-988-61	DIODE 1SS355TE-17	
C9112	1-164-004-11	CERAMIC CHIP 0	.1UF 10.00% 2	5V	D9102	8-719-988-61	DIODE 1SS355TE-17	
C9113	1-164-004-11	CERAMIC CHIP 0	.1UF 10.00% 2	5V	D9103	8-719-988-61	DIODE 1SS355TE-17	
C9114	1-164-004-11	CERAMIC CHIP 0	.1UF 10.00% 2	5V	D9104	8-719-056-83	DIODE UDZ-TE-17-6.8B	
C9115	1-115-340-11	CERAMIC CHIP 0	.22UF 10.00% 2	5V	D9105	8-719-914-43	DIODE DAN202K-T-146	
C9117	1-164-004-11	CERAMIC CHIP 0	.1UF 10.00% 2	5V	D9107	8-719-025-31	DIODE 02CZ5.6-TE85L	
C9118	1-104-664-11	ELECT 4	7UF 20.00% 2	5V				
C9119	1-163-259-91	CERAMIC CHIP 2	20PF 5.00% 5	0V		< FILTER	>	
C9121	1-163-251-11	CERAMIC CHIP 1	00PF 5.00% 5	0V				
					FL9101	1-236-071-11	ENCAPSULATED COMPONEN	T
C9122	1-115-340-11	CERAMIC CHIP 0	.22UF 10.00% 2	5V	FL9500	1-236-071-11	ENCAPSULATED COMPONEN	T
C9123	1-164-004-11	CERAMIC CHIP 0	.1UF 10.00% 2	5V	FL9501	1-236-071-11	ENCAPSULATED COMPONEN	T
C9124	1-164-004-11	CERAMIC CHIP 0	.1UF 10.00% 2	5V				
C9125	1-164-004-11	CERAMIC CHIP 0	.1UF 10.00% 2	5V		< IC >		
C9126	1-163-105-00	CERAMIC CHIP 3	3PF 5.00% 5	V0				
					IC9100		IC LM393PS-E20	
C9127	1-163-105-00	CERAMIC CHIP 3	3PF 5.00% 5	V0	IC9104		IC MB3793-42PNF-ER	
C9128	1-163-105-00	CERAMIC CHIP 3	3PF 5.00% 5	0V	IC9105		IC SAB-C161P1-LM	
C9129		CERAMIC CHIP 3			IC9107		IC TC55257DFTL-70V-EI	i
C9130		CERAMIC CHIP 3			IC9108	8-759-564-06	IC M24C32-MN6T	
C9131	1-163-105-00	CERAMIC CHIP 3	3PF 5.00% 5	0Λ				
					IC9109		IC M27C800-100K1-AE52	0
C9132		CERAMIC CHIP 0		-	IC9110	8-759-559-96		
C9400			.22UF 10.00% 2		IC9500			
C9500	1-104-664-11		7UF 20.00% 2		IC9501		IC MSM5116400D-60SJR1	
C9502	1-104-664-11		7UF 20.00% 2		IC9502	8-759-665-84	IC SDA5275-3PC02-22	
C9503	1-126-964-11	ELECT 1	OUF 20.00% 5	00		< COIL >		
C9504	1-164-004-11	CERAMIC CHIP 0	.1UF 10.00% 2	5V				
C9505	1-104-665-11	ELECT 10	00UF 20.00% 2	5V	L9400	1-412-029-11	INDUCTOR CHIP 10UH	
C9506	1-163-251-11	CERAMIC CHIP 1	00PF 5.00% 5	V0	L9401	1-412-029-11	INDUCTOR CHIP 10UH	
C9507	1-115-340-11	CERAMIC CHIP 0	.22UF 10.00% 2	5V				
C9508	1-115-340-11	CERAMIC CHIP 0	.22UF 10.00% 2	5V		< TRANSIS	TOR >	
C9509	1-163-251-11	CERAMIC CHIP 1	00PF 5.00% 5	0V	Q9100	8-729-120-28	TRANSISTOR 2SC2412K-T	'-146-R
C9510	1-115-340-11	CERAMIC CHIP 0	.22UF 10.00% 2	5V	Q9101	8-729-120-28	TRANSISTOR 2SC2412K-T	!-146-R
C9511	1-164-004-11	CERAMIC CHIP 0	.1UF 10.00% 2	5V	Q9102	8-729-216-22	TRANSISTOR 2SA1037K-T	'-146-R
C9512	1-164-004-11	CERAMIC CHIP 0	.1UF 10.00% 2	5V	Q9103	8-729-120-28	TRANSISTOR 2SC2412K-T	'-146-R
C9513	1-164-004-11	CERAMIC CHIP 0	.1UF 10.00% 2	5V	Q9105	8-729-120-28	TRANSISTOR 2SC2412K-T	'-146-R
C9514	1-163-235-11	CERAMIC CHIP 22	2PF 5.00% 5	0V	Q9106	8-729-027-46	TRANSISTOR DTC114YKA-	T146
C9515	1-163-235-11	CERAMIC CHIP 2	2PF 5.00% 5	V0	Q9107	8-729-027-46	TRANSISTOR DTC114YKA-	T146
C9516	1-163-251-11	CERAMIC CHIP 1	00PF 5.00% 5	V0	Q9108	8-729-027-46	TRANSISTOR DTC114YKA-	T146
C9517	1-163-009-11	CERAMIC CHIP 0	.001UF 10.00% 5	0V	Q9109	8-729-027-46	TRANSISTOR DTC114YKA-	T146

REF. NO.	PART.NO	DESCRIPTION	V		REMARK	REF. NO.	PART.NO	DESCRIPTION	ON		REMARK
Q9110	8-729-120-28	TRANSISTOR 2S	SC2412K	K-T-14	6-R	R9153	1-216-025-91	RES-CHIP	100	5%	1/10W
Q9500	8-729-216-22	TRANSISTOR 2S	SA1037K	K-T-14	6-R	R9159	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
Q9501	8-729-216-22	TRANSISTOR 2S	SA1037K	K-T-14	6-R	R9161	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
Q9502	8-729-216-22	TRANSISTOR 2S	SA1037K	K-T-14	6-R	R9162	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
Q9503	1-801-806-11	TRANSISTOR DI	C144EK	KA-T14	6	R9164	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
Q9504	1-801-806-11	TRANSISTOR DI	1C1 // / EV	/λ _ m1 <i>/</i> l	6	R9166	1-216-073-00	RES-CHIP	10K	5%	1/10W
Q3304	1-001-000-11	TRANSISTOR DI	CITTE	W-II4	0	R9168	1-216-073-00		6.8K		1/10W
	< RESISTO	י פו				R9172	1-216-069-00		6.8K		1/10W
	/ KES1310	/K /				R9172 R9173	1-216-295-91	SHORT	0.01	J.º	1/10#
R9100	1-216-073-00	RES-CHIP	10K	5%	1/10W	R9173	1-216-235-91		100	5%	1/10W
R9101	1-216-033-00		220	5%	1/10W	KJITA	1 210 025 51	KES CHIE	100	J 0	1/1011
R9102	1-216-033-00		220	5% 5%	1/10W	R9175	1-216-025-91	RES-CHIP	100	5%	1/10W
R9102	1-216-025-91		100	5%	1/10W	R9176	1-216-025-91		100	5%	1/10W
R9103	1-216-073-00		10K	5% 5%	1/10W	R9177	1-216-025-91		100	5%	1/10W
1,5101	1 210 075 00	125 0111		•	1/ 1011	R9178	1-216-025-91		100	5%	1/10W
R9105	1-216-073-00	RES-CHIP	10K	5%	1/10W	R9179	1-216-097-91		100K		1/10W
R9106	1-216-073-00	RES-CHIP	10K	5%	1/10W	KJITJ	1 210 037 31	KES CHIE	1001	J 0	1/1011
R9107	1-216-025-91		100	5%	1/10W	R9184	1-216-025-91	DEC-CHID	100	5%	1/10W
R9107	1-216-025-91		100	5%	1/10W	R9185	1-216-025-91		100	5%	1/10W
R9100	1-216-023-91		10K	5%	1/10W	R9185	1-216-025-91		100	5%	1/10W
KJIUJ	1-210-075-00	RES-CHIP	IUK	J*0	1/10#	R9187	1-216-025-91		4.7K		1/10W
R9110	1-216-081-00	RES-CHIP	22K	5%	1/10W	R9188	1-216-003-91		10K	5%	1/10W
R9111	1-216-001-00		100	5%	1/10W	K3100	1-210-075-00	KES-CHIP	IVK	J.º	1/10#
R9111	1-216-025-91		100	5%	1/10W	R9189	1-216-025-91	DEC_CUTD	100	5%	1/10W
R9112	1-216-023-91		220	5%	1/10W	R9103	1-216-025-91		100	5%	1/10W
R9113	1-216-033-00		27K	5%	1/10W	R9191	1-216-025-91		100	5%	1/10W
NJ114	1-210-005-00	RES-CHIP	2/1	J*0	1/10#	R9192 R9193	1-216-023-91		100K		1/10W
R9115	1-216-081-00	RES-CHIP	22K	5%	1/10W	R9193	1-216-097-91		100K		1/10W
R9116	1-216-073-00	RES-CHIP	10K	5%	1/10W	KJIJ4	1 210 037 31	KES CHIE	1001	J 0	1/1011
R9117	1-216-073-00	RES-CHIP	10K	5% 5%	1/10W	R9195	1-216-097-91	RES-CHID	100K	5%	1/10W
R9119	1-216-073-00		10K	5% 5%	1/10W	R9196	1-216-073-00		10K	5%	1/10W
R9120	1-216-073-00		10K	5%	1/10W	R9197	1-216-073-00		10K	5%	1/10W
NJIZV	1 210 073 00	KED CHII	1011	30	1/1011	R9500	1-216-295-91		0	3 0	1/1011
R9121	1-216-017-91	RES-CHIP	47	5%	1/10W	R9501	1-216-295-91		0		
R9122	1-216-049-91		1K	5%	1/10W	1.5002		0.101.1	•		
R9123	1-216-073-00		10K	5% 5%	1/10W	R9502	1-216-295-91	SHORT	0		
R9127	1-216-049-91		1K	5%	1/10W	R9504	1-216-041-00		470	5%	1/10W
R9128	1-216-097-91		100K		1/10W	R9505	1-216-051-00		1.2K		1/10W
	2 220 057 52	1.25 0.11		•	-,	R9506	1-216-073-00		10K		1/10W
R9135	1-216-295-91	SHORT	0			R9507	1-216-097-91		100K		1/10W
R9138	1-216-049-91		1K	5%	1/10W						_,
R9140	1-216-057-00		2.2K		1/10W	R9508	1-216-017-91	RES-CHIP	47	5%	1/10W
R9141	1-216-049-91		1K	5%	1/10W	R9509	1-216-049-91		1K	5%	1/10W
R9142	1-216-041-00		470	5%	1/10W	R9510	1-216-017-91		47	5%	1/10W
					-,	R9511	1-216-049-91		1K	5%	1/10W
R9143	1-216-049-91	RES-CHIP	1K	5%	1/10W	R9512	1-216-017-91		47	5%	1/10W
R9144	1-216-057-00		2.2K		1/10W						_,
R9145	1-216-049-91		1K	5 %	1/10W	R9513	1-216-017-91	RES-CHIP	47	5%	1/10W
R9146	1-216-049-91		1K	5%	1/10W	R9514	1-216-017-91		47	5 %	1/10W
R9147	1-216-049-91		1K	5%	1/10W	R9515	1-216-295-91		0		•
	*** **			- •	,	R9516	1-216-295-91		0		
R9148	1-216-073-00	RES-CHIP	10K	5%	1/10W	R9517	1-216-295-91		0		
R9149	1-216-025-91		100	5%	1/10W		71		•		
R9150	1-216-025-91		100	5% 5%	1/10W	R9518	1-216-049-91	RES-CHIP	1K	5%	1/10W
R9151	1-216-025-91		100	5%	1/10W	R9519	1-216-039-00		390	5%	1/10W
	2 220 020 71			- 0	-/ 		000			- 0	- <i>i</i> - • ···



The components identified by shading and marked ⚠ are critical for safety Replace only with the part number specified.

REF. NO.	PART.NO	DESCRIPTIO	N	F	REMARK	REF. NO	. PART.NO	DESCRI	PTION	RE	MARK
R9520	1-216-039-00	RES-CHIP	390	5% 1/10)W	C5356	1-136-207-11	MYLAR	0.047UF	10.00%	400V
R9521	1-216-039-00	RES-CHIP	390	5% 1/10)W	C5357	1-163-231-11	CERAMIC C	HIP 15PF	5.00%	50V
R9522	1-216-295-91		0	,		C5358	1-163-087-00			0.25PF	
R9523	1-216-295-91		0			C5359	1-163-035-00			******	50V
R9524	1-216-295-91		0			C5360	1-163-113-00			5.00%	
	1 110 100 01	0	•				1 100 110 00	02.12.10		0.000	•••
R9525	1-216-057-00	RES-CHIP	2.2K	5% 1/10	W	C5375	1-107-902-11	ELECT	1UF	20.00%	50V
R9526	1-216-057-00	RES-CHIP	2.2K	5% 1/10)W	C5376	1-102-106-00	CERAMIC	100PF	10.00%	50V
R9527	1-216-057-00	RES-CHIP	2.2K	5% 1/10	W	C5377	1-104-331-11	CERAMIC	0.0022UF	10.00%	1KV
R9528	1-216-025-91	RES-CHIP	100	5% 1/10	W	C5378	1-162-116-00	CERAMIC	680PF	10.00%	2KV
R9529	1-216-025-91	RES-CHIP	100	5% 1/10)W	C5379	1-162-114-00	CERAMIC	0.0047UF		2KV
-0500	1 016 005 01		100	F0 4/4/		~====	1 105 650 11		4.0	00 000	050-
R9530	1-216-025-91			5% 1/10)W	C5380	1-107-652-11		10UF	20.00%	
R9531	1-216-295-91	SHORT	0			C5381	1-117-214-11		0.001UF	10.00%	
						C5382	1-162-114-00	CERAMIC	0.0047UF		2KV
	< CRYSTAI	. >					< CONNECT	יחף >			
X9101	1-781-107-21	VIBRATOR, SE	RAMIC				COMMECI	.OR >			
X9500	1-760-551-21	,				CN5400	1-564-511-11	PLUG, CON	NECTOR 8P		
		,				CN5511					
*A-163	38-139-A C	Board, Co	mplete			CN5600	1-508-766-00	PIN, CONN	ECTOR (5MM PIT	CH) 4P	
	A 202 0EA 11	CCDEW /M2V10	\ D CW	. (1)			< DIODE >	•			
	4-302-034-11	SCREW (M3X10), P, SW	(+)							
	< CAPACIT	!OR >				D5300	8-719-911-19				
						D5302	8-719-901-83	DIODE 1SS	883TD		
C5301	1-163-075-00	CERAMIC CHIP	0.047UF	i	50V	D5325	8-719-911-19	DIODE 1SS	3119-25TD		
C5302	1-128-528-11		470UF)% 16V	D5327	8-719-901-83	DIODE 1SS	83TD		
C5303		CERAMIC CHIP			PF 50V	D5350	8-719-911-19	DIODE 1SS	3119-25TD		
C5304	1-107-967-11		1UF		% 400V						
C5305	1-136-207-11		0.047UF		% 400V	D5351	8-719-991-33	DIODE 188	3133T-77		
03303	1 130 207 11	MILIAN	0.04701	10.00	70 4004	D5353	8-719-901-83	DIODE 1SS	83TD		
C5306	1-163-017-00	CEDAMIC CUID	0 00471	r 10 00	0% 50V	D5375	8-719-991-33	DIODE 1SS	3133T-77		
C5300		CERAMIC CHIP			50V	D5376	8-719-991-33	DIODE 1SS	3133T-77		
		CERAMIC CHIP				D5377	8-719-908-03	DIODE GPO	8DPKG23		
C5308					PF 50V						
C5309	1-163-035-00				50V	D5378	8-719-921-88	DIODE MTZ	J-T-77-13B		
C5310	1-163-113-00	CERAMIC CHIP	68PF	5.00	5 50V	D5379	8-719-982-96				
						D5380	8-719-982-96				
C5325	1-163-087-00				PF 50V	D5381	8-719-031-34				
C5326	1-163-017-00	CERAMIC CHIP	0.00470	F 10.00)% 50V	D3361	0-719-031-34	DIODE KGE	02-20EG25		
C5328	1-128-528-11	ELECT	470UF	20.00)% 16V		< IC >				
C5329	1-107-967-11	ELECT	1UF	20.00	% 400V		< 1C >				
C5330	1-136-207-11	MYLAR	0.047UF	10.00	% 400V	IC5300	8-759-360-83	IC TDA611	.10/N4		
CE 221	1-163-089-00	מבוות מודים	€D¤	Λ EΛ .	PF 50V	IC5325					
C5331						IC5350			-		
C5332	1-163-231-11				50V						
C5333	1-163-035-00				50V	1	< SOCKET	>			
C5334	1-163-113-00				5 50V	1	. 5001.21	-			
C5350	1-107-907-11	ELECT	22UF	20.00)% 50V	J5375	△ 1-540-071-22	SOCKET, C	RT		
C5351	1-163-087-00	CERAMIC CHIP	4PF	0.251	PF 50V						
C5352	1-163-017-00)% 50V	1	< COIL >				
C5353	1-163-075-00				50V	1					
			470UF		% 16V	L5300	1-408-591-11	INDUCTOR	1UH		
C5354	- /X-5/X-!!				· · • • •						
C5354 C5355	1-128-528-11 1-107-967-11		1UF		% 400V	L5325	1-408-591-11	INDUCTOR	1UH		



REF. NO.	PART.NO	DESCRIPTIO	N		REMARK	REF. NO.	PART.NO	DESCRIPTION	V		REI	MARK
L5375	1-410-671-31	INDUCTOR	47UH			R5359	1-249-433-11	CARBON	22K	5%	1/4W	
L5376	1-532-637-00	LINK, IC 1A/	150V			R5360	1-249-424-11	CARBON	3.9K	5%	1/4W	
L5377	1-414-183-41		10UH			R5361	1-249-431-11	CARBON	15K		1/4W	
						R5362	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	
	< TRANSIS	STOR >				R5363	1-216-059-00		2.7K		1/10W	
Q5300	8-729-255-12	TRANSISTOR 2	SC25510	-TPE2		R5364	1-216-658-11	METAL CHIP	2K	0.5%	1/10W	
Q5301		TRANSISTOR 2				R5375	1-249-435-11		33K	5%	1/4W	
Q5325		TRANSISTOR 2			•	R5376	1-249-429-11		10K	5%	1/4W	
Q5326		TRANSISTOR 2			{	R5377	1-249-430-11		12K	5%	1/4W	
Q5350		TRANSISTOR D			•	R5378	1-249-429-11		10K	5 %	1/4W	
Q5351	8-729-255-12	TRANSISTOR 2	SC25510	-TDE2		R5379	1-249-438-11	CARRON	56K	5%	1/4W	
Q5351 Q5352		TRANSISTOR 2			t	R5379	1-249-433-11		22K	5%	1/4W	
Q5375		TRANSISTOR 2			•	R5381	1-216-055-00		1.8K		1/10W	
Q5376		TRANSISTOR 2				R5382	1-202-549-00		100	20%	1/2W	
25570	0 729 020 39	INANGISION 2	DAYJJAD	N1		R5383	1-216-399-00		6.8	20% 5%	3W	
	< RESISTO	OR >				R5384	1-216-399-00	MEMAI OVIDE	6.8	5%	3W	
R5300	1-249-417-11	CADDON	1K	5%	1/4W	R5385	1-216-399-00		100	ეგ 20%	3₩ 1/2₩	
R5300	1-249-417-11		100		1/4W 1/4W	R5386	1-202-349-00		820K		1/2W	
R5301		LEAD, JUMPER			1/4W	R5387	1-202-884-11		820K		1/2W	
R5302	1-333-143-61	•	•	•	1/10W	R5388	1-215-911-11		100	20° 5%	1/2W 3W	
R5303	1-202-557-00		220	0.5° 20%	1/10W 1/2W	K3300	1-213-911-11	WEINT OVIDE	100	Jo	ЭW	
					•	R5389	1-249-417-11	CARBON	1K	5%	1/4W	
R5305	1-215-929-11		100K		3₩							
R5306	1-249-424-11		3.9K		1/4W		< VARIABI	E RESISTOR >				
R5307	1-249-433-11			5%	1/4W							
R5308	1-216-057-00		2.2K		1/10W	RV5375		RES, ADJ, ME				
R5309	1-216-658-11	METAL CHIP	2K	0.5%	1/10W	RV5376	1-230-641-11	RES, ADJ, ME	TAL GLA	AZE 2.2	2M	
R5310	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	*A-164	10-380-А С	01 Board, Co	omple	ete		
R5325	1-249-417-11	CARBON	1K	5%	1/4W			· · · · · · · · · · · · · · · · · · ·				
R5326	1-247-807-31	CARBON	100	5%	1/4W		4-202-554-01	HOLDER, HV CA	ARLE			
R5327	1-535-143-61	LEAD, JUMPER	•	•				SCREW (M3X10)		W (+)		
R5328	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W			701 (1.011v)	,, -, -	(/		
R5329	1-202-557-00	SOLID	220	20%	1/2W		< CAPACIT	OR >				
R5330	1-215-929-11	METAL OXIDE	100K	5%	3W	C6100	1-136-165-00	ETT.M	0.1UF		5.00%	500
R5331	1-249-424-11	CARBON	3.9K	5%	1/4W	C6101	1-136-165-00		0.1UF		5.00%	
R5332	1-249-433-11	CARBON	22K	5%	1/4W	C6102	1-136-165-00		0.1UF		5.00%	
R5333	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	C6103		CERAMIC CHIP		T	5.00%	
						C6104		CERAMIC CHIP			5.00%	
R5334	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	00201	1 100 100 00	02112120 01121	0.0020	,-	0.000	
R5335	1-216-658-11	METAL CHIP	2K	0.5%	1/10W	C6105	1-126-967-11	ELECT	47UF		20.00%	50V
R5350	1-249-417-11	CARBON	1K	5%	1/4W	C6106		CERAMIC CHIP			5.00%	
R5351	1-247-807-31	CARBON	100	5%	1/4W	C6108		CERAMIC CHIP		7	10.00%	
R5352	1-249-416-11	CARBON	820	5%	1/4W	C6109	1-126-967-11		47UF		20.00%	
						C6110	1-126-967-11		47UF		20.00%	
R5353	1-249-421-11	CARBON	2.2K	5%	1/4W	00110	1 120 301-11	20001	1101		20.000	301
R5354	1-249-418-11	CARBON	1.2K	5%	1/4W	C6112	1-163-037-11	CERAMIC CHIP	U U331.	ir	10.00%	50V
R5355	1-535-143-61	LEAD, JUMPER	(5.0MM	i)		C6112		CERAMIC CHIP				
R5356	1-208-790-11	•			1/10W						10.00%	
R5357	1-202-557-00	SOLID	220		1/2W	C6114	1-126-964-11		10UF		20.00%	
						C6115 C6116		CERAMIC CHIP			10.00% 5.00%	
R5358	1-215-929-11	METAL OXIDE	100K	5%	3W							-



REF. NO.	PART.NO	DESCRIPTIO	N	REI	MARK	REF. NO.	PART.NO	DESCRIPTIO	N	RE	MARK
C6117	1-163-275-11	CERAMIC CHIP	0.001UF	5.00%	50V	C6361	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C6119	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V	C6362	1-164-182-11	CERAMIC CHIP	0.0033UF	10.00%	50V
C6120	1-163-809-11	CERAMIC CHIP	0.047UF	10.00%	25V	C6363	1-104-665-11	ELECT	100UF	20.00%	25V
C6121	1-126-964-11	ELECT	10UF	20.00%		C6364	1-136-347-11	FILM	0.0047UF	5.00%	630V
C6122	1-126-967-11	ELECT	47UF	20.00%		C6365	1-163-809-11	CERAMIC CHIP		10.00%	
JUILL	1 120 307 11		4701	20.000	307	00303	1 103 007 11	CERTAIN CHIL	0.04701	10.000	231
C6125	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00%	50V	C6367	1-104-329-11	CERAMIC CHIP	0.1UF	10.00%	50V
C6126	1-163-809-11	CERAMIC CHIP	0.047UF	10.00%	25V	C6368	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V
C6127	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V	C6370	1-136-347-11	FILM	0.0047UF	5.00%	630V
C6128	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00%	50V	C6373	1-136-153-00	FILM	0.01UF	5.00%	50V
C6129	1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V	C6374	1-129-716-00	FILM	0.015UF	5.00%	630V
C6130	1-163-259-91	CERAMIC CHIP	220PF	5.00%	50V	C6375	1-102-110-00	CERAMIC	220PF	10.00%	50V
C6131	1-126-964-11	ELECT	10UF	20.00%		C6376	1-104-664-11	ELECT	47UF	20.00%	
C6132	1-163-259-91	CERAMIC CHIP		5.00%		C6377	1-128-551-11	ELECT	22UF	20.00%	
26133	1-126-964-11	ELECT	10UF	20.00%		C6378	1-115-339-11	CERAMIC CHIP		10.00%	
C6134	1-102-935-00	CERAMIC	2PF	0.25PF		C6380	1-136-165-00	FILM	0.1UF	5.00%	
		,a.v				5550	00 00			J. 00 0	
C6199	1-163-229-11	CERAMIC CHIP		5.00%		C6381	1-126-960-11	ELECT	1UF	20.00%	
C6207	1-126-967-11	ELECT	47UF	20.00%	50V	C6385	1-104-664-11	ELECT	47UF	20.00%	25V
C6208	1-126-967-11	ELECT	47UF	20.00%	50V	C6386	1-104-664-11	ELECT	47UF	20.00%	25V
C6209	1-163-133-00	CERAMIC CHIP	470PF	5.00%	50V	C6388	1-126-964-11	ELECT	10UF	20.00%	50V
C6210	1-163-009-11	CERAMIC CHIP	0.001UF	10.00%	50V	C6389	1-126-964-11	ELECT	10UF	20.00%	50V
C6250	1-104-664-11	ELECT	47UF	20.00%	16V	C6392	1-104-664-11	ELECT	47UF	20.00%	25V
C6251	1-163-989-11	CERAMIC CHIP		10.00%		C6401	1-126-964-11	ELECT	10UF	20.00%	
C6252	1-163-989-11	CERAMIC CHIP		10.00%		C6402	1-107-714-11	ELECT	10UF	20.00%	
C6253	1-115-339-11	CERAMIC CHIP		10.00%		C6407	1-136-161-00	FILM	0.047UF	5.00%	
C6254	1-136-177-00	FILM	1UF	5.00%		C6408	1-136-161-00	FILM	0.047UF	5.00%	
C02J4	1-130-177-00	FILM	101	3.00%	J0V	C0400	1-130-101-00	FILM	0.0470£	3.00%	J0V
C6255	1-136-177-00	FILM	1UF	5.00%	50V	C6409	1-126-964-11	ELECT	10UF	20.00%	50V
C6256	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V	C6420	1-136-165-00	FILM	0.1UF	5.00%	50V
C6257	1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V	C6421	1-136-165-00	FILM	0.1UF	5.00%	50V
C6258	1-163-127-00	CERAMIC CHIP	270PF	5.00%	50V						
C6259	1-110-501-11	CERAMIC CHIP	0.33UF	10.00%	16V		< CONNECT	OR >			
C6260	1-104-664-11	FT.FCT	47UF	20.00%	1677	CN6502	*1-564-509-11	DIJIC CONNEC	מסי		
C6261		CERAMIC CHIP		10.00%		CN6600	*1-508-786-00	,		TH) 2D	
C6262	1-136-165-00		0.1UF	5.00%		CN6601	1-695-302-11		-	-	
C6263		CERAMIC CHIP		5.00%		CN6622	*1-568-878-81			JUE	
C6264	1-126-964-11		10UF	20.00%		CN6623	*1-564-506-51				
	4 444 444 33		4.0				14 841				
C6306	1-126-964-11		10UF	20.00%		CN6633	*1-564-506-11	PLUG, CONNEC	rok 3P		
C6307		CERAMIC CHIP		10.00%							
C6350		CERAMIC CHIP		10.00%	-		< DIODE >				
C6351	1-126-967-11		47UF	20.00%							
C6353	1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V	D6102	8-719-914-43				
						D6104	8-719-914-43				
C6354	1-136-159-00		0.033UF	5.00%		D6105	8-719-914-43				
C6355		CERAMIC CHIP		5.00%		D6107	8-719-914-43				
C6356	1-163-809-11	CERAMIC CHIP	0.047UF	10.00%	25V	D6108	8-719-921-40	DIODE MTZJ-T	-77-4.7B		
C6357	1-136-165-00	FILM	0.1UF	5.00%	50V						
C6358	1-104-329-11	CERAMIC CHIP	0.1UF	10.00%	50V	D6127	8-719-914-43	DIODE DAN202	K-T-146		
						D6128	8-719-914-43	DIODE DAN202	K-T-146		
C6359	1-104-329-11	CERAMIC CHIP	0.1UF	10.00%	50V	D6129	8-719-914-43	DIODE DAN202	K-T-146		

The components identified by shading and marked \triangle are critical for safety Replace only with the part number specified.



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION		REMARK
D6253	8-719-911-19	DIODE 1SS119-25TD		Q6105	8-729-120-28	TRANSISTOR 2SC241	L2K-T-146-R	
D6454	1-535-143-61	LEAD, JUMPER (5.0MM)		Q6106	8-729-120-28	TRANSISTOR 2SC241	L2K-T-146-R	
D6255	8-719-914-43	DIODE DAN202K-T-146		Q6107	8-729-120-28	TRANSISTOR 2SC241	L2K-T-146-R	
D6350	8-719-914-43	DIODE DAN202K-T-146		Q6108	8-729-026-49	TRANSISTOR 2SA103	37 AK-T146- R	
D6351	8-719-914-43	DIODE DAN202K-T-146		Q6110	8-729-026-49	TRANSISTOR 2SA103	37AK-T146-R	
D6352	8-719-914-43	DIODE DAN202K-T-146		Q6112	8-729-120-28	TRANSISTOR 2SC241	L2K-T-146-R	
D6353	8-719-987-87	DIODE ERA82-004TP1		Q6113	8-729-120-28	TRANSISTOR 2SC241	L2K-T-146-R	
D6354	8-719-914-43	DIODE DAN202K-T-146		Q6118	8-729-120-28	TRANSISTOR 2SC241	L2K-T-146-R	
D6355	8-719-914-43	DIODE DAN202K-T-146		Q6119	8-729-026-49	TRANSISTOR 2SA103	37AK-T146-R	
D6358	8-719-914-43	DIODE DAN202K-T-146		Q6120	8-729-026-49	TRANSISTOR 2SA103	37AK-T146-R	
D6359		DIODE RGP10GPKG23		Q6122		TRANSISTOR 2SA103		
D6401		DIODE DAN202K-T-146		Q6123		TRANSISTOR 2SA103		
D6402		DIODE MTZJ-T-77-3.6A		Q6125		TRANSISTOR 2SC241		
D6403		DIODE MTZJ-T-77-7.5B		Q6126		TRANSISTOR 2SA103		
D6404	8-719-914-43	DIODE DAN202K-T-146		Q6127	8-729-026-49	TRANSISTOR 2SA103	37AK-T146-R	
D6405	8-719-921-63	DIODE MTZJ-T-77-7.5B		Q6128	8-729-120-28	TRANSISTOR 2SC241	L2K-T-146-R	
				Q6129	8-729-026-49	TRANSISTOR 2SA103	37 AK-T146- R	
	< IC >			Q6201	8-729-120-28	TRANSISTOR 2SC241	L2K-T-146-R	
				Q6202	8-729-120-28	TRANSISTOR 2SC241	L2K-T-146-R	
IC6100	8-759-450-95	IC LM393N		Q6250	8-729-120-28	TRANSISTOR 2SC241	L2K-T-146-R	
IC6101	8-759-450-95							
IC6102		IC NJM3404AD-W		Q6251		TRANSISTOR 2SC241		
IC6103	8-759-450-95			Q6252		TRANSISTOR 2SA103		
IC6250	8-759-595-52	IC CXA8070AP		Q6253		TRANSISTOR 2SC551		
				Q6254		TRANSISTOR 2SA200		
IC6251	8-759-903-16			Q6350	8-729-120-28	TRANSISTOR 2SC241	L2K-T-146-R	
IC6302		IC CXA1875AM-T4						
IC6350	8-759-008-70			Q6351		TRANSISTOR 2SC174		
IC6351	8-759-450-95			Q6352		TRANSISTOR 2SB734		
IC6352	8-759-450-95	IC LM393N		Q6353		TRANSISTOR 2SB734		
TO(050	0 750 001 50	TO 1700F01		Q6354		TRANSISTOR 2SC241		
IC6353	8-759-231-53			Q6356	8-729-120-28	TRANSISTOR 2SC241	12K-T-146-R	
IC6354	8-759-325-48			06350	0 700 000 00	mnayoromon goveen	1 01 H10	
IC6355 IC6356	8-759-008-70 8-759-822-38			Q6358		TRANSISTOR 2SK225		
100330	0-739-022-30	IC LAUSIU		Q6401		TRANSISTOR DTC144		
	< FILTER			Q6402 Q6403		TRANSISTOR 2SC241		
	< FILIER	/		Q6403 Q6404		TRANSISTOR 2SA103		
LF6350	1-406-989-21	INDUCTOR 10MH		20404	0-129-020-49	INANSISION ZSAIV.	7/AR-1140-K	
LF6351	1-406-989-21	INDUCTOR 10MH		Q6405	8-729-026-49	TRANSISTOR 2SA103	37AK-T146-R	
				Q6455	8-729-120-28	TRANSISTOR 2SC241	L2K-T-146-R	
	< IC LINE	(>		Q6465	8-729-120-28	TRANSISTOR 2SC241	12K-T-146-R	
PS6376 A	1-532-637-00	LINK, IC 1A/150V (ICP-N25			< RESISTO	OR >		
	< TRANSIS	STOR >		R6100	1-216-033-00	RES-CHIP 220) 5% 1,	/10W
	/ TIMINT	·····		R6101	1-216-033-00		-	/10W
Q6100	8-729-120-28	TRANSISTOR 2SC2412K-T-146	-R	R6102	1-216-057-00			/10W
Q6100		TRANSISTOR 2SC2412K-T-146		R6103	1-216-057-00			/10W
Q6101		TRANSISTOR 2SC2412K-T-146		R6104	1-216-057-00			/10W
Q6102 Q6103		TRANSISTOR 2SC2412K-T-146			007 00	2.1		,
Q6103		TRANSISTOR 2SC2412K-T-146		R6105	1-216-049-91	RES-CHIP 1K	5% 1,	/10W
w				R6106	1-216-057-00		· ·	/10W



REF. NO.	PART.NO	DESCRIPTION	V		REMARK	REF. NO.	PART.NO	DESCRIPTION	N		REMARK
R6107	1-216-659-11	METAL CHIP	2.2K	0.5%	1/10W	R6162	1-216-049-91	RES-CHIP	1K	5%	1/10W
R6108	1-216-659-11	METAL CHIP	2.2K	0.5%	1/10W	R6165	1-216-699-91	METAL CHIP	100K	0.5%	1/10W
R6109	1-216-683-11	METAL CHIP	22K	0.5%	1/10W	R6168	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R6110	1-216-683-11	METAL CHIP	22K	0.5%	1/10W	R6169	1-216-699-91	METAL CHIP	100K	0.5%	1/10W
R6111	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6170	1-216-037-00	RES-CHIP	330	5%	1/10W
R6112	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6171	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6113	1-216-073-00	RES-CHIP	10K	5%	1/10W	R6174	1-216-075-00	RES-CHIP	12K	5%	1/10W
R6114	1-216-073-00	RES-CHIP	10K	5%	1/10W	R6175	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
R6115	1-216-089-91	RES-CHIP	47K	5%	1/10W	R6176	1-216-083-00	RES-CHIP	27K	5%	1/10W
R6116	1-216-089-91	RES-CHIP	47K	5%	1/10W	R6177	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R6117	1-216-073-00	RES-CHIP	10K	5%	1/10W	R6179	1-216-295-91	SHORT	0		
R6118	1-216-073-00	RES-CHIP	10K	5%	1/10W	R6180	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6119	1-216-073-00	RES-CHIP	10K	5%	1/10W	R6182	1-216-089-91	RES-CHIP	47K	5%	1/10W
R6120	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6183	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6121	1-216-057-00		2.2K		1/10W	R6186	1-216-061-00		3.3K		1/10W
R6122	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6188	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R6123	1-216-089-91		47K	5%	1/10W	R6189	1-216-051-00		1.2K		1/10W
R6124	1-216-089-91		47K	5%	1/10W	R6190	1-216-057-00		2.2K		1/10W
R6125	1-216-057-00		2.2K		1/10W	R6191	1-215-925-11		22K	5% 5%	3W
R6126	1-216-037-00		330	5% 5%	1/10W	R6192	1-216-665-11				1/10W
R6127	1-216-663-11	אוביי או כעדם	3 3K	0.5%	1/10W	R6194	1-216-065-91	DEC_CUTD	4.7K	5 9	1/10W
R6128	1-216-691-11		3.3K 47K		1/10W	R6195	1-216-683-11		22K		1/10W 1/10W
R6129	1-216-691-11		47K		1/10W	R6196	1-249-377-11		0.47	0.5° 5%	1/4W
R6130	1-218-768-11		470K		1/10W	R6198	1-216-081-00		22K	5% 5%	1/4W 1/10W
R6131	1-216-037-00		330	5%	1/10W	R6199	1-216-075-00		12K	5%	1/10W
R6132	1-216-037-00	RES-CHIP	330	5%	1/10W	R6205	1-216-025-91	DEC_CUTD	100	5%	1/10W
R6133	1-216-037-00		330	ა 5%	1/10W	R6205	1-216-025-91		220K		1/10W 1/10W
R6135	1-163-021-91				10.00% 50V	R6207	1-216-099-00		120K		1/10W
R6136	1-216-691-11		47K		1/10W	R6208	1-216-099-00		47K	5% 5%	1/10W
R6137	1-216-691-11		47K		1/10W	R6210	1-216-057-00		2.2K		1/10W
D 6 1 3 Q	1_216_601_11	אוביי או כעדם	17v	በ 59	1 /1 NW	R6211	1_216_073_00	DEC_CUTD	1 N V	5 9	1/10W
R6138 R6139	1-216-691-11 1-216-691-11				1/10W 1/10W	R6211	1-216-073-00 1-216-057-00		10K 2.2K		1/10W 1/10W
R6140	1-216-091-11					R6212					
R6141	1-216-057-00		2.2K		1/10W 1/10W	R6215	1-216-683-11 1-216-089-91		22K 47K	0.5% 5%	1/10W 1/10W
R6142	1-216-672-11				1/10W 1/10W	R6217	1-216-089-91		10K	5% 5%	1/10W 1/10W
D 61 A 2	1 016 057 00	DEC CUID	2 077	E 0.	1 /1 0₩	DC010	1 016 005 01	CHODM	٥		
R6143	1-216-057-00		2.2K		1/10W	R6218	1-216-295-91		0 1 v	E 0.	1 /1 014
R6144	1-216-089-91		47K	つそ	1/10W	R6254	1-216-049-91		1K		1/10W
R6145	1-216-295-91		0 4 7 5	0 F0	1 /1 017	R6255	1-216-061-00		3.3K		1/10W
R6146	1-216-667-11			∪.5₹	1/10W	R6256	1-216-057-00		2.2K		1/10W
R6148	1-216-295-91	SHUKT	0			R6257	1-216-061-00	KES-CHIP	3.3K	38	1/10W
R6149	1-216-025-91			5%	•	R6258	1-216-057-00		2.2K		1/10W
R6154	1-216-651-11		1K		1/10W	R6259	1-216-097-91		100K		1/10W
R6155	1-216-667-11				1/10W	R6260	1-216-049-91		1K	5%	1/10W
R6158	1-216-663-11		_	0.5%	1/10W	R6261	1-216-097-91		100K		1/10W
R6159	1-216-295-91	SHORT	0			R6262	1-260-321-71	CARBON	270	5%	1/2W
			_				1 01 0 005 01	DEG 6017D		F 0	4 /4 0
R6160	1-216-295-91	SHORT	0			R6263	1-216-025-91	RES-CHIP	100	5%	1/10W

REF. NO.	PART.NO	DESCRIPTION	N		REMARK	REF. NO.	PART.NO	DESCRIPTION			REMARK
R6265	1-216-097-91	RES-CHIP	100K	5%	1/10W	R6377	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R6267	1-216-049-91	RES-CHIP	1K	5%	1/10W	R6378	1-216-675-91	METAL CHIP	10K	0.5%	1/10W
R6268	1-216-081-00		22K	5%	1/10W	R6379	1-216-295-91	SHORT	0		•
R6269	1-216-667-11				1/10W	R6380	1-218-754-11			0 5%	1/10W
R6270	1-216-667-11				1/10W	R6381	1-216-045-00		680	5%	1/10W
NO2 / 0	1 210 007 11	METAL CHIL	4. /K	0.50	1/10#	KOJOI	1 210 043 00	KED CHII	000	J.0	1/10#
R6271	1-216-683-11	METAL CHIP	22K	0.5%	1/10W	R6382	1-218-754-11	METAL CHIP	120K	0.5%	1/10W
R6276	1-216-678-11	METAL CHIP	13K	0.5%	1/10W	R6383	1-216-687-11	METAL CHIP	33K	0.5%	1/10W
R6277	1-216-677-11	METAL CHIP	12K	0.5%	1/10W	R6384	1-216-043-91	RES-CHIP	560	5%	1/10W
R6278	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6385	1-216-295-91	SHORT	0		
R6279	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6386	1-216-699-91	METAL CHIP	100K	0.5%	1/10W
7,000	1 010 040 00		4.7	F 0	1 / 4**	DC207	1 016 677 11		10**	^ F0	1 /1 000
R6280	1-212-849-00		4.7	5% 	1/4W	R6387	1-216-677-11		12K		1/10W
R6281	1-212-849-00		4.7	5%	1/4W	R6391	1-249-417-11		1K	5%	1/4W
R6282	1-215-886-11		100	5%	2W	R6394	1-216-069-00		6.8K	5%	1/10W
R6283	1-216-393-00	METAL OXIDE	2.2	5%	3W	R6395	1-216-081-00	RES-CHIP	22K	5%	1/10W
R6284	1-208-848-11	METAL CHIP	560K	0.5%	1/10W	R6397	1-216-675-91	METAL CHIP	10K	0.5%	1/10W
R6285	1-216-057-00	PRS-CHIP	2.2K	5 %	1/10W	R6398	1-216-065-91	PES-CHID	4.7K	5 %	1/10W
R6286	1-216-073-00			5%	1/10W	R6399	1-218-758-11				1/10W
R6287	1-216-071-00		8.2K		1/10W	R6400	1-216-675-91				1/10W
				30	1/10W					0.5%	1/10W
R6313	1-216-295-91		0	F 0	1 /1 0**	R6401	1-216-295-91		0		
R6322	1-216-049-91	RES-CHIP	1K	5%	1/10W	R6402	1-216-295-91	SHORT	0		
R6323	1-216-049-91	RES-CHIP	1K	5%	1/10W	R6403	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R6324	1-216-025-91	RES-CHIP	100	5%	1/10W	R6404	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R6325	1-216-025-91	RES-CHIP	100	5%	1/10W	R6405	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R6350	1-216-089-91	RES-CHIP	47K	5%	1/10W	R6409	1-216-025-91	RES-CHIP	100	5%	1/10W
R6351	1-218-762-11			0.5%	1/10W	R6410	1-216-073-00		10K	5%	1/10W
					-,						-,
R6353	1-216-668-11	METAL CHIP	5.1K	0.5%	1/10W	R6411	1-216-073-00	RES-CHIP	10K	5%	1/10W
R6355	1-218-774-11	METAL CHIP	820K	0.5%	1/10W	R6412	1-216-073-00	RES-CHIP	10K	5%	1/10W
R6356	1-216-675-91	METAL CHIP	10K	0.5%	1/10W	R6413	1-216-679-11	METAL CHIP	15K	0.5%	1/10W
R6357	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6414	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R6358	1-216-047-91	RES-CHIP	820	5%	1/10W	R6415	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
											·
R6359	1-216-097-91		100K		1/10W	R6416	1-216-683-11		22K		1/10W
R6360	1-216-073-00			5% 	1/10W	R6418	1-216-091-00		56K	5 %	1/10W
R6361	1-216-097-91		100K		1/10W	R6419	1-216-073-00		10K	5%	1/10W
R6362	1-216-687-11				1/10W	R6420	1-216-089-91		47K	5%	1/10W
R6363	1-216-675-91	METAL CHIP	10K	0.5%	1/10W	R6421	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R6364	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6422	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R6365	1-216-033-00	RES-CHIP	220		1/10W	R6423	1-216-657-11		1.8K		1/10W
R6366	1-216-057-00		2.2K		1/10W	R6426	1-216-081-00			5%	1/10W
R6367	1-216-679-11				1/10W	R6427	1-216-081-00			5%	1/10W
R6368	1-218-758-11				1/10W	R6428	1-216-105-91		220K		1/10W
ROJOO	1 210 750 11	METAL CHIL	1001	0.50	1/10#	N0420	1 210 103 31	KED CHII	22011	J.0	1/10#
R6369	1-218-762-11	METAL CHIP			1/10W	R6429	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R6370	1-216-675-91	METAL CHIP	10K	0.5%	1/10W	R6430	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R6371	1-216-473-11	METAL OXIDE	56	5%	3W	R6431	1-216-121-91	RES-CHIP	1M	5%	1/10W
R6372	1-216-033-00	RES-CHIP	220	5%	1/10W	R6432	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6373	1-216-681-11	METAL CHIP	18K	0.5%	1/10W	R6433	1-216-073-00	RES-CHIP	10K	5%	1/10W
DC274	1 016 600 11	MEMAI CUID	202	0 F0	1 /1 017	DC427	1 040 400 11	CARRON	0 72	E 0.	1 / 417
R6374 R6375	1-216-689-11 1-216-041-00		39K 470	0.5% 5%	1/10W 1/10W	R6437 R6438	1-249-422-11		2.7K		1/4W 1/4W
C1 C0A	1-210-041-00	VE9_CUIL	4/0	Jf	1/10M	N0430	1-249-421-11	CARDON	2.2K	J6	1/47
					47	 7					



REF. NO.	PART.NO	DESCRIPTIO	N		REMARK	REF. NO.	PART.NO	DESCRIPTION	I	REMARK
R6439	1-216-683-11	METAL CHIP	22K	0.5%	1/10W	C4354	1-107-823-11	CERAMIC CHIP	0.47UF	10.00% 16V
86440	1-216-683-11	METAL CHIP	22K		1/10W	C4355	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
5441	1-216-675-91	METAL CHIP	10K		1/10W	C4356	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
442	1-216-039-00	RES-CHIP	390	5%	1/10W	C4357	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
455	1-216-295-91		0		•	C4358		CERAMIC CHIP		10.00% 25V
156	1-216-097-91	RES-CHIP	100K	5%	1/10W	C4359	1-164-161-11	CERAMIC CHIP	0.0022UF	10.00% 50V
3457	1-216-075-00	RES-CHIP	12K	5%	1/10W	C4360	1-126-963-11	ELECT	4.7UF	20.00% 50V
458	1-216-089-91	RES-CHIP	47K	5%	1/10W	C4362	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
459	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	C4363	1-126-967-11	ELECT	47UF	20.00% 50V
460	1-249-393-11	CARBON	10	5%	1/4W	C4364	1-126-967-11	ELECT	47UF	20.00% 50V
461	1-249-411-11	CARBON	330	5%	1/4W	C4366	1-163-059-91	CERAMIC CHIP	0.01UF	10.00% 50V
5462	1-249-406-11	CARBON	120	5%	1/4W	C4367	1-104-760-11	CERAMIC CHIP	0.047UF	10.00% 50V
463	1-216-095-00	RES-CHIP	82K	5%	1/10W	C4369	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
464	1-216-079-00		18K	5%	1/10W	C4370	1-126-967-11		47UF	20.00% 50V
					·	C4371		CERAMIC CHIP		10.00% 25V
*A-164	40-381-A E	Board, Co	mplete)		C4377	1-126-960-11	ELECT	1UF	20.00% 50V
	< CAPACI	.ш∪р >				C4518	1-162-638-11	CERAMIC CHIP	1UF	16V
	< CAPACI	.101. /				C4519	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
316	1-104-664-11		47UF		20.00% 25V		< CONNECT	'OR >		
317		CERAMIC CHIP			10.00% 25V		COMME			
318		CERAMIC CHIP			10.00% 25V	CN4101	1_605_301_11	CONNECTOR, BO	מם חיד חקבו	מחו/ חפו
319		CERAMIC CHIP			10.00% 25V	CN4101	*1-564-511-11			MD TOP
320	1-164-004-11	CERAMIC CHIP	0.1UF		10.00% 25V	CN4500	*1-564-506-11			
321	1-164-004-11	CERAMIC CHIP	0.1UF		10.00% 25V		✓ DIODE \			
322	1-164-004-11	CERAMIC CHIP	0.1UF		10.00% 25V		< DIODE >	•		
324	1-164-004-11	CERAMIC CHIP	0.1UF		10.00% 25V	D4304	0 710 000 60	DIODE MTZJ-T-	77 0 1	
325	1-163-227-11	CERAMIC CHIP	10PF		0.50PF 50V	D4304				
329	1-126-963-11	ELECT	4.7UF		20.00% 50V	D4305 D4311		DIODE MTZJ-T- DIODE DAN202F		
1330	1-137-581-11	ETIM	0.1UF		5.00% 100	D4312	8-719-914-43	DIODE DAN202F	C-T-146	
331	1-137-361-11		0.10F		20.00% 50V	D4313	8-719-401-63	DIODE MA3062N	I-TX	
		CERAMIC CHIP								
332 333	1-164-004-11				10.00% 25V 10.00% 25V		< FERRITE	BEAD >		
	1-164-004-11		0.10F 47UF							
334	1-120-301-11	PTECI	4/01		20.00% 50V	FB4387	1-414-234-22	INDUCTOR CHIE	OUH	
226	1 106 067 11	DT DOM	47m		20 000 50	FB4388	1-414-234-22	INDUCTOR CHIE	OUH	
336 338	1-126-967-11		47UF		20.00% 50V	FB4389	1-414-234-22	INDUCTOR CHIE	OUH	
		CERAMIC CHIP			10.00% 25V					
340	1-126-967-11		47UF		20.00% 50V		< IC >			
342 343		CERAMIC CHIP			10.00% 50V 10.00% 25V					
						IC4301	8-752-090-88	IC CXA2100AQ-	TL	
344		CERAMIC CHIP			10.00% 25V		< COIL >			
45	1-126-967-11		47UF		20.00% 50V		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
346		CERAMIC CHIP			10.00% 25V	L4301	1-414-183-41	TNDIICTOP	10UH	
347	1-164-004-11	CERAMIC CHIP	0.1UF		10.00% 25V	L4301	1-414-183-41		100H	
348	1-164-004-11	CERAMIC CHIP	0.1UF		10.00% 25V	L4302			10UH	
							1-414-183-41			
349	1-164-004-11	CERAMIC CHIP	0.1UF		10.00% 25V	L4304	1-414-183-41		10UH	
350	1-164-004-11	CERAMIC CHIP	0.1UF		10.00% 25V	L4305	1-414-183-41	TNDOCTOR	10UH	
251	1-163-009-11	CERAMIC CHIP	0.0010	F	10.00% 50V	T 400C	1 414 100 41	THRUMAR	1 0****	
321					00 000 F0**	L4306	1-414-183-41	INDUCTOR	10UH	
351 352	1-126-967-11	ELECT	47UF		20.00% 50V	L4308	1-414-186-31	T110110F45	33UH	



REF. NO. PART.NO		DESCRIPTION			REMARK	REF. NO.	PART.NO	DESCRIPTION		REMARK	
L4309	1-414-186-31	INDUCTOR	33UH			R4356	1-216-009-91	RES-CHIP	22	5%	1/10W
						R4357	1-216-009-91	RES-CHIP	22	5%	1/10W
	< TRANSIS	STOR >				R4358	1-216-071-00	RES-CHIP	8.2K	5%	1/10W
						R4359	1-216-041-00	RES-CHIP	470	5%	1/10W
Q4304	8-729-026-49	TRANSISTOR 2	SA1037A	K-T146	i-R	R4360	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
Q4307	8-729-026-49	TRANSISTOR 2	SA1037A	K-T146	i-R						
Q4308	8-729-026-49	TRANSISTOR 2	SA1037A	K-T146	i-R	R4361	1-216-133-00	RES-CHIP	3.3M	5%	1/10W
Q4309		TRANSISTOR 2				R4363	1-216-025-91		100	5%	1/10W
Q4310	8-729-026-49	TRANSISTOR 2	SA1037A	K-T146	i-R	R4365	1-216-025-91		100	5%	1/10W
						R4366	1-216-025-91		100	5%	1/10W
Q4311		TRANSISTOR 2				R4367	1-216-025-91	RES-CHIP	100	5%	1/10W
Q4312	8-729-026-49										
Q4313	8-729-026-49					R4370	1-216-089-91		47K	5%	1/10W
Q4315	1-801-806-11					R4371	1-216-069-00		6.8K		1/10W
Q4316	8-729-120-28	TRANSISTOR 2	SC2412K	-T-146	i-R	R4372	1-216-049-91		1K	5%	1/10W
						R4373	1-216-073-00		10K	5%	1/10W
Q4317	8-729-900-53	TRANSISTOR D	TC114EK	A-T146	i	R4374	1-216-049-91	RES-CHIP	1K	5%	1/10W
	< RESISTO	OR >				R4375	1-216-049-91	RES-CHIP	1K	5%	1/10W
						R4376	1-216-049-91	RES-CHIP	1K	5%	1/10W
R4301	1-216-025-91	RES-CHIP	100	5%	1/10W	R4377	1-216-049-91	RES-CHIP	1K	5%	1/10W
R4302	1-216-025-91	RES-CHIP	100	5%	1/10W	R4378	1-216-101-00	RES-CHIP	150K	5%	1/10W
R4303	1-216-025-91	RES-CHIP	100	5%	1/10W	R4379	1-216-091-00	RES-CHIP	56K	5%	1/10W
R4304	1-216-025-91	RES-CHIP	100	5%	1/10W						
R4305	1-216-025-91	RES-CHIP	100	5%	1/10W	R4380	1-216-073-00	RES-CHIP	10K	5%	1/10W
						R4381	1-216-125-00	RES-CHIP	1.5M	5%	1/10W
R4306	1-216-025-91	RES-CHIP	100	5%	1/10W	R4382	1-216-073-00	RES-CHIP	10K	5%	1/10W
R4307	1-216-045-00	RES-CHIP	680	5%	1/10W	R4383	1-216-089-91	RES-CHIP	47K	5%	1/10W
R4308	1-216-045-00	RES-CHIP	680	5%	1/10W	R4384	1-216-025-91	RES-CHIP	100	5%	1/10W
R4309	1-216-045-00	RES-CHIP	680	5%	1/10W						
R4313	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R4387	1-216-031-00	RES-CHIP	180	5%	1/10W
						R4388	1-216-031-00	RES-CHIP	180	5%	1/10W
R4314	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R4389	1-216-031-00	RES-CHIP	180	5%	1/10W
R4331	1-216-073-00	RES-CHIP	10K	5%	1/10W	R4394	1-216-025-91	RES-CHIP	100	5%	1/10W
R4332	1-216-073-00	RES-CHIP	10K	5%	1/10W	R4395	1-216-295-91	SHORT	0		
R4333	1-216-073-00	RES-CHIP	10K	5%	1/10W						
R4334	1-216-025-91	RES-CHIP	100	5%	1/10W	R4396	1-216-295-91	SHORT	0		
						R4398	1-216-025-91	RES-CHIP	100	5%	1/10W
R4335	1-216-025-91	RES-CHIP	100	5%	1/10W	R4399	1-216-025-91	RES-CHIP	100	5%	1/10W
R4336	1-216-025-91	RES-CHIP	100	5%	1/10W	R4401	1-216-107-00	RES-CHIP	270K	5%	1/10W
R4337	1-216-025-91	RES-CHIP	100	5%	1/10W	R4507	1-216-129-00	RES-CHIP	2.2M	5%	1/10W
R4339	1-216-049-91	RES-CHIP	1K	5%	1/10W						
R4340	1-216-111-00	RES-CHIP	390K	5%	1/10W	R4518	1-216-025-91	RES-CHIP	100	5%	1/10W
						R4519	1-216-073-00	RES-CHIP	10K	5%	1/10W
R4341	1-216-295-91	SHORT	0			R4520	1-216-295-91	SHORT	0		
R4343	1-216-025-91	RES-CHIP	100	5%	1/10W	R4521	1-216-295-91	SHORT	0		
R4344	1-216-025-91	RES-CHIP	100	5%	1/10W	R4522	1-216-073-00	RES-CHIP	10K	5%	1/10W
R4345	1-216-677-11	METAL CHIP	12K	0.5%	1/10W						
R4346	1-216-681-11	METAL CHIP	18K	0.5%	1/10W		< CRYSTAI	>			
R4347	1-216-025-91	RES-CHIP	100	5%	1/10W	X4300	1-767-127-11	VIBRATOR	CERAMIC		
R4348	1-216-025-91		100	5%	1/10W				V		
R4350	1-216-025-91		100	5%	1/10W						
R4354	1-216-675-91		10K		1/10W						
R4355	1-216-075-91		22	5%	1/10W						
11233	1 110 003 31	ALO OHIE		• 0	-/ / / - / - / - / - / - / - /						

The components identified by shading and marked ⚠ are critical for safety Replace only with the part number specified.

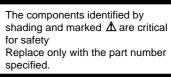


REF. NO.	PART.NO	PART.NO DESCRIPTION		REMARK	REF. NO.	PART.NO	DESCRIPTION		REMARK	
*A-1	640-398-A [D Board, Co	mplete		C6653	1-126-968-11	ELECT	100UF	20.00% 50V	
		,			C6654	1-162-117-00	CERAMIC	100PF	10.00% 500V	
	4-201-023-01	SPACER, INSU	JLATING		C6655	1-107-974-11	CERAMIC	47PF	5.00% 2KV	
	4-202-373-01	SPRING, IC			C6656	1-126-967-11	ELECT	47UF	20.00% 50V	
	4-382-854-11	SCREW (M3X10)), P, SW (+)	C6657	1-126-941-11	ELECT	470UF	20.00% 25V	
	*4-931-401-01	HEAT SINK, V	OUT.							
					C6658	1-104-665-11	ELECT	100UF	20.00% 25V	
	< CAPACIT	TOR >			C6659	1-104-665-11	ELECT	100UF	20.00% 25V	
					C6661	1-117-753-11	ELECT (BLOCK)	470UF	20.00% 450V	
C6600	△ 1-113-927-11	CERAMIC	10000PF	20.00% 250V	C6662	1-136-165-00	FILM	0.1UF	5.00% 50V	
C6603	△ 1-126-933-11	ELECT	100UF	20.00% 16V	C6664	1-136-153-00	FILM	0.01UF	5.00% 50V	
C6604	△ 1-126-767-11		1000UF	20.00% 16V						
C6605	△ 1-119-888-51		2200PF	20.00% 250V	C6665	1-136-165-00		0.1UF	5.00% 50V	
C6606	△ 1-119-888-51	CERAMIC	2200PF	20.00% 250V	C6666	1-136-165-00	FILM	0.1UF	5.00% 50V	
					C6667	1-126-933-11	ELECT	100UF	20.00% 16V	
C6607	△ 1-136-518-12		0.33UF	20.00% 300V	C6668	1-126-933-11		100UF	20.00% 16V	
C6608	△ 1-161-964-91	CERAMIC	0.0047UF	250V	C6669	1-136-165-00	FILM	0.1UF	5.00% 50V	
C6609	△ 1-161-964-91		0.0047UF	250V						
C6610	△ 1-161-964-91		0.0047UF	250V	C6670	1-136-165-00		0.1UF	5.00% 50V	
C6611	△ 1-161-964-91	CERAMIC	0.0047UF	250V	C6671	1-104-664-11		47UF	20.00% 16V	
					C6672	1-104-664-11		47UF	20.00% 16V	
C6612	1-113-927-11		10000PF	20.00% 250V	C6673	1-104-664-11		47UF	20.00% 16V	
C6616	1-164-625-11		680PF	10.00% 500V	C6677	1-136-165-00	FILM	0.1UF	5.00% 50V	
C6617	1-164-625-11		680PF	10.00% 500V						
C6618	1-136-175-00		0.68UF	5.00% 50V	C6679	1-130-495-00		0.1UF	5.00% 50V	
C6619	1-137-194-81	FILM	0.47UF	5.00% 50V	C6680	1-137-150-11		0.01UF	5.00% 50V	
					C6681	1-126-964-11		10UF	20.00% 50V	
C6620	1-136-618-11		0.047UF	5.00% 1.25KV	C6682	1-107-679-91		10UF	20.00% 450V	
C6621	1-136-175-00		0.68UF	5.00% 50V	C6700	1-102-129-00	CERAMIC	0.01UF	10.00% 50V	
C6622	1-164-625-11		680PF	10.00% 500V						
C6623	1-137-194-81		0.47UF	5.00% 50V	C6703	1-128-527-11		330UF	20.00% 25V	
C6624	1-126-968-11	ELECT	100UF	20.00% 50V	C6704	1-126-968-11		100UF	20.00% 50V	
~~~~	1 164 605 11			10 000 500-	C6705	1-128-527-11		330UF	20.00% 25V	
C6626	1-164-625-11		680PF	10.00% 500V	C6706	1-137-401-11		0.22UF	10.00% 100V	
C6627	1-164-625-11		680PF	10.00% 500V	C6707	1-129-702-00	MYLAR	0.001UF	10.00% 400V	
C6628	1-126-936-11		3300UF	20.00% 16V	00700	1 100 000 00	1077.3.75	A 1	10 000 100**	
C6629	1-128-548-11		4700UF	20.00% 25V	C6708	1-106-220-00		0.1UF	10.00% 100V	
C6630	1-110-626-11	ELECT	330UF	20.00% 160V	C6709	1-102-129-00 1-130-785-11		0.01UF	10.00% 50V	
06621	1-126-955-11	ET EOM	470000	20 000 257	C6710			0.47UF	10.00% 100V	
C6631 C6632	1-126-955-11		4700UF 4700UF	20.00% 35V	C6727 C6801	1-102-228-00		470PF 47UF	10.00% 500V	
C6633	1-126-935-11		470UF 470UF	20.00% 35V 20.00% 16V	C0001	1-104-664-11	FPFCI	4/01	20.00% 25V	
C6634	1-126-955-11		0.1UF	5.00% 50V	C6802	1-126-960-11	です でぐか	1UF	20.00% 50V	
C6635	1-136-163-00		47UF		C6803	1-126-960-11			20.00% 50V 20.00% 50V	
C0033	1-104-664-11	FPECI	4/01	20.00% 25V	C6804	1-126-960-11		1UF 470PF	10.00% 50V	
C6636	1-102-129-00	CEDAMIC	0.01UF	10.00% 50V	C6805	1-102-114-00		470PF	10.00% 50V	
C6637	1-102-129-00		0.01UF		C6808	1-102-114-00		330PF		
C6638	1-102-129-00		0.010F 0.0047UF	10.00% 50V 5.00% 50V	C0000	1-107-020-00	CEVALITO	JJVFF	10.00% 500V	
C6639	1-137-366-11		470PF	10.00% 500V	C6809	1-102-030-00	СЕБУИТС	330PF	10.00% 500V	
C6641	1-102-228-00		470FF 47UF	20.00% 500V	C6810	1-102-030-00		0.047UF	10.00% 500V 10.00% 200V	
C0041	1 120-301-11	EDEC1	7/05	20.000 JUV	C6811	1-107-368-11		0.047UF	10.00% 200V	
C6642	1-128-551-11	FT.FCT	22UF	20.00% 25V	C6812	1-162-131-11		0.0470F 220PF	10.00% 200V	
C6647	1-126-551-11		47UF	20.00% 25V 20.00% 25V	C6813	1-162-151-11		100PF	10.00% 2KV	
C6649	1-104-664-11		470F 22UF	20.00% 25V 20.00% 50V	C0013	1-107-330-11	CEVALITO	TOOPE	IU.UUO ZAV	
C6651	1-120-965-11		0.0047UF	20.00% 50V 250V	C6814	1-117-640-11	ETT.M	6800PF	3.00% 1.2KV	
C6652	1-101-904-91		10UF	250V 20.00% 450V	C6814	1-117-840-11		6200PF	3.00% 1.2KV 3.00% 1.5KV	
CUUJZ	1 101-013-31	EDEC1	TOOF	20.000 1000	60013	1 111-030-11	E TIM	020011	J.VV0 I.JAV	

The components identified by shading and marked ⚠ are critical for safety Replace only with the part number specified.



REF. NO.	PART.NO	DESCRIPTION	ON	RE	MARK	REF. NO.		PART.NO	DESC	CRIPTION	REMARK
C6816	1-130-471-00	MYLAR	0.001UF	5.00%	50V			< DIODE >	•		
C6817	1-125-893-11	FILM	680PF	3.00%	1.5KV						
C6818	1-125-893-11	FILM	680PF	3.00%	1.5KV	D6600		8-719-911-19	DIODE 1	LSS119-25TD	
C6819	1-125-893-11	FILM	680PF	3.00%	1.5KV	D6601		8-719-063-73			
C6820	1-125-893-11	FILM	680PF	3.00%	1.5KV	D6602	Δ	8-719-109-89	DIODE N	MTZJ-T-77-5.6B	
						D6603		8-719-911-19			
C6824	1-107-846-11		0.1UF	5.00%		D6604		8-719-510-53	DIODE I	04SB60L-F	
C6825	1-115-514-11		0.22UF	5.00%							
C6826	1-115-518-11		0.47UF	5.00%		D6605		8-719-991-33			
C6827	1-115-511-11		0.12UF	5.00%		D6610		8-719-063-73			
C6828	1-127-681-11	EITW WETE.	10000PF	2%	100V	D6613		8-719-911-19			
06000	1 107 600 11	ETTY VETE	4700DE	20.	1007	D6615		8-719-911-19			
C6829	1-127-680-11		4700PF	2% 20.00%	100V	D6616		8-719-510-12	DIODE I	)105C4M-F	
C6830	1-107-655-11 1-102-228-00		47UF			D6617		0 710 500 71	ם שחסדת	OT CAOE	
C6831 C6832	1-102-228-00		470PF 470UF	10.00% 20.00%		D6617 D6618		8-719-500-71 8-719-079-50			
C6833	1-126-941-11		470UF	20.00%		D6619		8-719-510-12			
C0033	1-120-941-11	ETECI	47001	20.00%	234	D6620		8-719-510-12			
C6834	1-102-228-00	СЕРУИТС	470PF	10.00%	5000	D6621		8-719-991-33			
C6835	1-102-228-00		470PF	10.00%		D0021		0 719 991 95	משטעום	1551551 77	
C6836	1-123-024-21		33UF	10.000	160V	D6622		8-719-991-33	חדוחה 1	SS133T-77	
C6837	1-106-375-12		0.022UF	10.00%		D6623		8-719-911-19			
C6840	1-137-150-11		0.01UF	5.00%		D6624		8-719-991-33			
00010			0.0202	0.000		D6625		8-719-991-33			
C6841	1-104-664-11	ELECT	47UF	20.00%	16V	D6626		8-719-991-33			
C6844	1-115-513-21		0.18UF	5.00%							
C6851	1-162-131-11		220PF	10.00%		D6627		8-719-983-34	DIODE N	MTZJ-T-77-33C	
C6852	1-162-129-00	CERAMIC	150PF	10.00%		D6628		8-719-109-97	DIODE N	MTZJ-T-77-6.8	
C6853	1-129-898-00	FILM	0.0022UF	5.00%		D6629		8-719-991-33	DIODE 1	LSS133T-77	
						D6630		8-719-991-33	DIODE 1	LSS133T-77	
C6855	1-136-205-11	MYLAR	0.022UF	10.00%	400V	D6631	Δ	8-719-991-33	DIODE 1	LSS133T-77	
C6856	1-102-030-00	CERAMIC	330PF	10.00%	500V						
C6857	1-130-785-11	MYLAR	0.47UF	10.00%	100V	D6651		8-719-068-00	DIODE E	ERC04-06SE	
C6861	1-130-471-00	MYLAR	0.001UF	5.00%	50V	D6652		8-719-921-83	DIODE N	MTZJ-T-77-12A	
C6862	1-130-471-00	MYLAR	0.001UF	5.00%	50V	D6653		8-719-063-73	DIODE I	1NL20U-TR	
						D6654		8-719-059-23			
	< CONNECT	OR >				D6655		8-719-979-64	DIODE (	JF4005PKG23	
CN6100	1-785-802-11		•			D6656		8-719-063-73	DIODE I	1NL20U-TR	
CN6101	1-785-802-11		•	•		D6658		8-719-068-00	DIODE E	ERC04-06SE	
CN6102	1-785-802-11		•			D6659		8-719-063-73			
CN6500	1-508-766-00		•			D6676		8-719-991-33			
CN6600	1-695-299-11	CONNECTOR, 1	BOARD TO BOA	RD 50P		D6677		8-719-921-40	DIODE N	MTZJ-T-77-4.7B	
CN6611	*1-785-270-12		•	•		D6678				MTZJ-T-77-4.7B	
	△ 1-508-765-00	•	•	CH) 3P		D6679		8-719-991-33			
CN6622	1-695-915-11	•	•			D6681		8-719-991-33			
	<b>↑</b> *1-691-960-11	•	•	D) 3P		D6700		8-719-200-02			
CN6655	1-695-915-11	TAB (CONTAC	T)			D6701		8-719-110-41	DIODE N	MTZJ-T-77-15B	
		DIN CONNEC	TOR (5MM PIT	CH) 2P		D6803		8-719-200-02	DIODE E	RA15-02TP1	
	<b>↑</b> *1-508-786-00										
	↑ *1-508-786-00 ↑ *1-691-291-11					D6804				JUMPER (10.0MM)	
						D6804 D6805		8-719-302-43	DIODE F	RGP10GPKG23	
						D6804			DIODE F	RGP10GPKG23 RGP15GPKG23	





REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTIO	N		REMARK
D6808	8-719-510-73	DIODE S3L20UF4			< IC LINK	>			
D6809	8-719-991-33	DIODE 1SS133T-77							
D6810	1-247-895-91	CARBON 470K 5%	1/4W	PS6601 /	1-801-550-21	PROTECTOR, M	ODULE 2	.5A ME	250
D6811	8-719-110-41	DIODE MTZJ-T-77-15B	•		1-801-550-21				
D6851	8-719-970-87	DIODE ERA38-06TP1			1-801-549-21				
					1-801-550-21				
D6852	8-719-970-87	DIODE ERA38-06TP1			1-801-550-21				
	< FERRITE	BEAD >			< TRANSIS	STOR >			
FB6602	1-410-396-41	FERRITE 0.45UH		Q6600 A	8-729-046-47	TRANSISTOR K	SC2500-	BTA	
FB6603	1-410-396-41	FERRITE 0.45UH		Q6602	8-729-026-39	TRANSISTOR 2	SA933AS	-RT	
				Q6603	8-729-119-78	TRANSISTOR 2	SC1740S	-RT	
	< IC >			Q6605	8-729-046-47	TRANSISTOR K	SC2500-	BTA	
				06606	8-729-029-56	TRANSISTOR D	TA144ES	A-TP	
IC6600	1-810-051-11	POWER MODULE DM-48						-	
IC6604		TRANSISTOR MX0842A-F		Q6607	8-729-119-78	TRANSISTOR 2	SC1740S	-RT	
IC6651	8-759-468-89			Q6608		TRANSISTOR D			
IC6652	8-759-394-35			Q6611		TRANSISTOR D			
IC6653	8-759-054-12			Q6651		TRANSISTOR 2			
10000	0 /35-034-12	TO LÄNNEA		Q6652		TRANSISTOR D			
IC6654	9_750_574_76	IC KA78R05-SYDTU		Q0032	0-729-029-00	TRANSISION D	1012460	M-IL	
IC6667	8-759-908-15			Q6667	0_720_026_20	TRANSISTOR 2	C70227C	י_ם_י	
IC6676						TRANSISTOR 2			
	8-759-908-15			Q6676					
IC6700	8-759-192-71			Q6677		TRANSISTOR 2			
IC6801	8-759-103-93	IC LM393P		Q6678		TRANSISTOR 2			
				Q6679	8-729-026-39	TRANSISTOR 2	SA933AS	-RT	
	< COIT >			00000	0 700 000 66	MD3.VGTGMOD D	ma1145a		
	4 440 500 44			Q6680		TRANSISTOR D			
L6602	1-412-529-11			Q6681		TRANSISTOR D		A-TP	
L6603	1-412-529-11			Q6700		TRANSISTOR I			
L6604	1-412-525-31			Q6801		TRANSISTOR 2			
L6605	1-412-523-41			Q6802	8-729-119-80	TRANSISTOR 2	SC2688-	·LK	
L6606	1-412-525-31	INDUCTOR 10UH							
				Q6803		TRANSISTOR 2			
L6607	1-412-525-31			Q6804		TRANSISTOR 2			
L6651	1-414-183-41			Q6805	8-729-038-83	TRANSISTOR 2	SK2251-	01-F19	
L6700	1-412-524-11			Q6806		TRANSISTOR S			
L6801	1-412-519-11	INDUCTOR 3.3UH		Q6807	8-729-030-02	TRANSISTOR D	TC144ES	A-TP	
L6802	1-412-519-11	INDUCTOR 3.3UH							
				Q6851	8-729-043-95	TRANSISTOR 2	SC3840K		
L6803	1-412-533-21								
L6805	1-408-947-00	INDUCTOR 2.2MH			< RESISTO	)R >			
L6806	1-535-143-61	LEAD, JUMPER (5.0MM)							
L6807	1-410-397-21	FERRITE 1.1UH		R6601 🛮	1-202-968-11	CEMENTED	1.2	5%	10W
L6851	1-535-143-61	LEAD JUMPER (5.0MM)		R6602	1-249-433-11		22K	5%	1/4W
				R6603 🛮	1-249-430-11	CARBON	12K	5%	1/4W
	< FILTER	>		R6604 🛮	1-249-421-11	CARBON	2.2K	5%	1/4W
				R6605	1-249-417-11		1K	5%	1/4W
LF6603	1-406-659-11	INDUCTOR 10UH							
LF6604	1-406-659-11			R6606 A	1-202-968-11	CEMENTED	1.2	5%	10W
LF6801	1-406-985-11				1-220-797-11		0.47		10W
LF6851	1-406-674-11			R6611	1-260-125-11		150K		1/2W
HE OOJI	T 400-014-TI	INDUCTOR 3.3MI							
				R6612 R6613	1-260-125-11 1-216-369-00		150K 1	5%	1/2W 2W



REF. NO.	PART.NO	DESCRIPTION	N		REMARK	REF. NO.	PART.NO	DESCRIPTION	l		REMARK
R6614	1-260-125-11	CARBON	150K	5%	1/2W	R6685	1-249-417-11	CARBON	1K	5%	1/4W
R6615	1-260-125-11	CARBON	150K	5%	1/2W	R6686	1-215-449-00	METAL	15K	1%	1/4W
R6616	1-216-369-00	METAL OXIDE	1	5%	2W	R6687	1-249-431-11	CARBON	15K	5%	1/4W
R6619	1-249-425-11	CARBON	4.7K	5%	1/4W	R6688	1-249-417-11	CARBON	1K	5%	1/4W
R6620	1-249-443-11	CARBON	0.47	5%	1/4W	R6689	1-247-843-11	CARBON	3.3K	5%	1/4W
R6624	1-249-425-11	CARBON	4.7K	5%	1/4W	R6690	1-249-429-11	CARBON	10K	5%	1/4W
R6625	1-249-429-11	CARBON	10K	5%	1/4W	R6691	1-215-446-00	METAL	11K	1%	1/4W
R6626	1-247-807-31	CARBON	100	5%	1/4W	R6692	1-215-445-00	METAL	10K	1%	1/4W
R6627	1-249-429-11	CARBON	10K	5%	1/4W	R6700	1-215-441-00	METAL	6.8K	1%	1/4W
R6628	1-260-129-11	CARBON	330K	5%	1/2W	R6701	1-215-437-00	METAL	4.7K		1/4W
R6629	1-260-129-11	CARBON	330K	5%	1/2W	R6702	1-215-441-00	METAL	6.8K	1%	1/4W
R6630	1-249-417-11		1K	<b>5</b> %	1/4W	R6703	1-215-437-00	METAL	4.7K		1/4W
R6631	1-249-425-11		4.7K		1/4W	R6704	1-249-383-11		1.5	- ° 5%	1/4W
R6632	1-207-905-00		0.27		2W	R6705	1-247-791-91		22	5%	1/4W
R6633	1-249-429-11		10K		1/4W	R6706	1-249-389-11		4.7	5%	1/4W
					-,			<b>VIII.</b>			<b>-,</b>
R6635	1-535-143-11	LEAD, JUMPER	(10.0M)	IM)		R6707	1-215-888-00	METAL OXIDE	220	5%	2W
R6637	1-249-421-11	CARBON	2.2K	5%	1/4W	R6708	1-214-798-21	METAL	1.8	1%	1/2W
R6638	1-247-895-91	CARBON	470K	5%	1/4W	R6709	1-214-798-21	METAL	1.8	1%	1/2W
R6639	1-249-416-11	CARBON	820	5%	1/4W	R6710	1-247-843-11	CARBON	3.3K	5%	1/4W
R6640	1-249-417-11	CARBON	1K	5%	1/4W	R6711	1-249-418-11	CARBON	1.2K	5%	1/4W
R6641	1-260-127-11	CARBON	220K	5%	1/2W	R6801	1-215-440-00	METAL	6.2K	1%	1/4W
R6642	1-249-389-11	CARBON	4.7	5%	1/4W	R6802	1-214-915-00	METAL	120K		1/2W
R6643	1-249-417-11	CARBON	1K	5%	1/4W	R6803	1-249-421-11		2.2K	5%	1/4W
R6644	1-249-429-11	CARBON	10K	5%	1/4W	R6804	1-249-408-11	CARBON	180	5%	1/4W
R6645	1-260-131-11		470K		1/2W	R6805	1-249-408-11		180	5%	1/4W
R6646	1-249-429-11	CARRON	10K	5%	1/4W	R6806	1-249-411-11	CARRON	330	5%	1/4W
R6647	1-249-410-11		270	5%	1/4W	R6807	1-249-411-11		330	5%	1/4W
R6648	1-249-433-11		22K	5%	1/4W	R6808	1-260-340-11		10K	5% 5%	1/2W
R6649	1-215-926-00		33K	5% 5%	3W	R6809	1-260-340-11		10K	5%	1/2W
R6651	1-213-926-00		22	5%	1/4W	R6810	1-215-920-11		3.3K		1/2W 3W
KOOJI	1-247-791-91	CARDON	22	Jo	1/40	K0010	1-215-920-11	MEIAL OXIDE	J.JK	20	Sit .
R6652	1-249-389-11	CARBON	4.7	5%	1/4W	R6811	1-216-461-00	METAL OXIDE	5.6K	5%	2W
R6653	1-249-421-11	CARBON	2.2K	5%	1/4W	R6812	1-215-895-11	METAL OXIDE	3.3K	5%	2W
R6655	1-249-429-11	CARBON	10K	5%	1/4W	R6813	1-215-920-11	METAL OXIDE	3.3K	5%	3W
R6656	1-218-265-11	METAL	8.2M	5%	1W	R6814	1-215-880-00	METAL OXIDE	10	5%	2W
R6657	1-215-421-00	METAL	1K	1%	1/4W	R6815	1-215-880-00	METAL OXIDE	10	5%	2W
R6666	1-202-933-61	FUSIBLE	0.1	10%	1/2W	R6816	1-216-361-00	METAL OXIDE	0.22	5%	2W
R6667	1-215-441-00		6.8K		1/4W	R6817	1-216-361-00		0.22		2W
R6668	1-249-428-11		8.2K		1/4W	R6818	1-249-405-11		100		1/4W
R6669	1-249-413-11		470	5%	1/4W	R6819	1-247-807-31		100		1/4W
R6676	1-249-417-11		1K	5%	1/4W	R6820		LEAD, JUMPER			2/ 311
D6677	1 040 417 11	CARRON	117	E0	1 / 417	D6001	1 505 140 51	IEAD WWW.	100 00	n.e.\	
R6677	1-249-417-11		1K	5% =°	1/4W	R6821		LEAD, JUMPER		-	1 /012
R6678	1-249-417-11		1K	5% 10	1/4W	R6831	1-260-124-11		120K		1/2W
R6679	1-215-479-00		270K		1/4W	R6832		METAL OXIDE			1W
R6681	1-215-467-00		82K		1/4W	R6833	1-202-972-61		1	5%	1/4W
R6682	1-215-447-00	METAL	12K	1%	1/4W	R6834	1-535-143-21	LEAD, JUMPER	(12.5M	M)	
R6683	1-215-429-00	METAL	2.2K	1%	1/4W	R6835	1-260-288-11	CARBON	0.47	5%	1/2W
R6684	1-247-807-31	CARBON	100	5%	1/4W	R6836	1-249-432-11	CARBON	18K	5%	1/4W
					4.	12					



The components identified by shading and marked ⚠ are critical for safety Replace only with the part number specified.

REF. NO.	PART.NO	DESCRIPTION		REMARK	REF. NO.	PART.NO	DESCRIPTIO	N	REI	MARK
R6837	1-215-919-11		K 5%	3W	*A-165	1-137-A J	Board, Cor	nplete		
R6838	1-214-905-11	METAL 47K	1%	1/2W						
R6839	1-215-919-11		₹ 5%	3W		< CAPACIT	OR >			
R6840	1-247-843-11		₹ 5%	1/4W						
R6842	1-260-123-11	CARBON 100	₹ 5%	1/2W	C8105	1-126-933-11		100UF	20.00%	
					C8106	1-126-933-11		100UF	20.00%	
R6843	1-249-429-11			1/4W	C8107	1-126-935-11		470UF	20.00%	
R6844	1-249-441-11		₹ 5%	1/4W	C8108	1-126-933-11		100UF	20.00%	
R6845	1-249-433-11			1/4W	C8109	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
R6851	1-260-123-11		₹ 5%	1/2W						
R6852	1-260-123-11	CARBON 100	₹ 5%	1/2W	C8110		CERAMIC CHIP		10.00%	
					C8111	1-126-933-11		100UF	20.00%	
R6853	1-260-123-11		₹ 5%	1/2W	C8112	1-107-715-11		22UF	20.00%	
R6854	1-249-417-11		5%	1/4W	C8144	1-107-823-11	CERAMIC CHIP	0.47UF	10.00%	16V
R6856	1-216-485-11		₹ 5%	3₩	C8145	1-107-823-11	CERAMIC CHIP	0.47UF	10.00%	16V
R6857	1-216-485-11		₹ 5%	3W						
R6858	1-215-922-11	METAL OXIDE 6.8	₹ 5%	3W	C8200	1-104-664-11		47UF	20.00%	
					C8201	1-163-241-11			5.00%	
R6859	1-215-922-11	METAL OXIDE 6.8	₹ 5%	3W	C8202	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
R6880	1-215-436-00	METAL 4.3	₹ 1%	1/4W	C8203	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
R6885	1-215-493-00	METAL 1M	1%	1/4W	C8204	1-164-506-11	CERAMIC CHIP	4.7UF		16V
R6886	1-215-477-00	METAL 220	₹ 1%	1/4W						
R6887	1-215-461-00	METAL 47K	1%	1/4W	C8205	1-165-319-11		0.1UF		50V
					C8208	1-164-506-11	CERAMIC CHIP	4.7UF		16V
R6888	1-249-441-11	CARBON 100	₹ 5%	1/4W	C8209	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
R6891	1-535-143-61	LEAD, JUMPER (5.0)	M)		C8210	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
R6892	1-535-143-61	LEAD, JUMPER (5.0)	M)		C8211	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
R6895	1-249-443-11		<b>7 5</b> %	1/4W						
R6896	1-249-443-11	CARBON 0.4	<b>7 5</b> %	1/4W	C8212	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
					C8213	1-163-087-00	CERAMIC CHIP	4PF	0.25PF	50V
R6897	1-215-485-00	METAL 470	₹ 1%	1/4W	C8214	1-163-087-00	CERAMIC CHIP	4PF	0.25PF	50V
R6898	1-215-493-00		1%	1/4W	C8215	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
R6899	1-215-493-00	METAL 1M	1%	1/4W	C8216	1-126-933-11	ELECT	100UF	20.00%	16V
	< RELAY >	<b>&gt;</b>			C8217	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
					C8218	1-126-964-11	ELECT	10UF	20.00%	50V
RY6601 A	1-755-266-11	RELAY, AC POWER			C8219	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
RY6602 A	1-755-167-11	RELAY, AC POWER			C8220	1-126-964-11	ELECT	10UF	20.00%	50V
	< TRANSFO	DRMER >			C8221	1-104-664-11	ELECT	47UF	20.00%	16V
					C8222	1-104-664-11	ELECT	47UF	20.00%	16V
<b>T6600</b> △	1-431-616-11	TRANSFORMER, CONV.	ERTER		C8223	1-104-664-11	ELECT	47UF	20.00%	16V
<b>T6601</b> △	1-433-516-11	TRANSFORMER, CONV.	ERTER	(PIT)	C8224	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
T6651	1-431-732-21	TRANSFORMER, CONV	ERTER	(SRT)	C8225	1-104-664-11	ELECT	47UF	20.00%	16V
T6801 T6802		TRANSFORMER, FERR TRANSFORMER, FERR	•	•	C8227	1-163-009-11	CERAMIC CHIP	0.001UF	10.00%	50V
		,	, -	•	C8228	1-163-009-11	CERAMIC CHIP	0.001UF	10.00%	50V
T6804 △	1-453-340-11	TRANSFORMER ASSY,	FLYBA	CK (NX4522//U214)	C8229	1-163-009-11			10.00%	
T6852		TRANSFORMER, FERR			C8230	1-163-009-11			10.00%	
		,	,	•	C8231	1-163-009-11			10.00%	
	< THERMIS	STOR >			C8232	1-164-004-11			10.00%	
TH6600 A	1-809-827-11	THERMISTOR, POSIT	IVE		C8233	1-104-664-11	ELECT	47UF	20.00%	16V
TH6700	1-800-193-00	· ·			C8234	1-107-823-11			10.00%	
	_ 500 155 00				C8235	1-107-823-11			10.00%	
					C8236	1-126-933-11		100UF	20.00%	

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C8237	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8613	1-104-664-11	ELECT 47UF	20.00% 16V
C8238	1-164-505-11	CERAMIC CHIP 2.2UF	16V	C8614	1-104-664-11	ELECT 47UF	20.00% 16V
C8239	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C8804	1-126-933-11	ELECT 100UF	20.00% 16V
C8240	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C8812	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8241	1-126-964-11	ELECT 10UF	20.00% 50V	C8814	1-104-664-11	ELECT 47UF	20.00% 25V
C8242	1-104-664-11	ELECT 47UF	20.00% 16V	C8822	1-126-933-11	ELECT 100UF	20.00% 16V
C8301		CERAMIC CHIP 0.022UF	10.00% 50V	C8825		CERAMIC CHIP 0.22UF	10.00% 25V
C8302		CERAMIC CHIP 0.01UF	10.00% 50V	C8826	1-163-251-11		5.00% 50V
C8303	1-126-933-11		20.00% 16V	C8827	1-164-004-11		10.00% 25V
C8304		CERAMIC CHIP 0.22UF	10.00% 25V	C8828	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8305	1_163_021_01	CERAMIC CHIP 0.01UF	10.00% 50V	C8829	1_164_004_11	CERAMIC CHIP 0.1UF	10.00% 25V
C8306	1-107-823-11		10.00% 36V	C8830		CERAMIC CHIP 0.1UF	10.00% 25V
C8307	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 10V	C8831	1-126-964-11		20.00% 50V
C8308		CERAMIC CHIP 0.22UF	10.00% 25V	C8832	1-164-004-11		10.00% 25V
C8309	1-126-961-11		20.00% 50V	C8833		CERAMIC CHIP 0.1UF	10.00% 25V
00303	1 120 701 11	1111C1 2.201	20.000 300	60033	1 104 004 11	CERCAPIC CHIF 0.10F	10.00% 254
C8311	1-104-664-11	ELECT 47UF	20.00% 16V	C8834	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8313	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8835	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8314	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8836	1-164-004-11		10.00% 25V
C8318	1-104-664-11	ELECT 47UF	20.00% 16V	C8837	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8321	1-104-664-11	ELECT 47UF	20.00% 16V	C8838	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8322	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V	C8839	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8323	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8840	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8324	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8841	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8325	1-126-964-11	ELECT 10UF	20.00% 50V	C8842	1-104-664-11	ELECT 47UF	20.00% 16V
C8326	1-104-664-11	ELECT 47UF	20.00% 16V	C8843	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8328	1-104-664-11	ELECT 47UF	20.00% 16V	C8844	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8329		CERAMIC CHIP 0.01UF	10.00% 50V	C8846	1-126-933-11		20.00% 16V
C8331	1-216-025-91		5% 1/10W	C8847	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8332	1-216-025-91	RES-CHIP 100	5% 1/10W	C8849	1-164-346-11	CERAMIC CHIP 1UF	16V
C8333	1-216-025-91	RES-CHIP 100	5% 1/10W	C8850	1-164-346-11	CERAMIC CHIP 1UF	16V
C8334	1-216-025-91	RES-CHIP 100	5% 1/10W	C8851	1-126-967-11	ELECT 47UF	20.00% 50V
C8335		CERAMIC CHIP 0.01UF	10.00% 50V	C8852		CERAMIC CHIP 1UF	16V
C8336		CERAMIC CHIP 0.1UF	10.00% 25V	C8853	1-126-967-11		20.00% 50V
C8337		CERAMIC CHIP 0.1UF	10.00% 25V	C8854		CERAMIC CHIP 1UF	16V
C8338		CERAMIC CHIP 0.1UF	10.00% 25V	C8855		CERAMIC CHIP 1UF	16V
C8345	1_16/_3/6_11	CERAMIC CHIP 1UF	16V	C8856	1_16/_3/6_11	CERAMIC CHIP 1UF	16V
C8345	1-126-963-11		20.00% 50V	C8857		CERAMIC CHIP 1UF	16V
C8601		CERAMIC CHIP 0.22UF	10.00% 25V	C8858		CERAMIC CHIP 1UF	16V
C8602		CERAMIC CHIP 0.22UF	10.00% 25V	C8859		CERAMIC CHIP 1UF	16V
C8605		CERAMIC CHIP 0.22UF	10.00% 25V	C8860		CERAMIC CHIP 1UF	16V
C8606		CERAMIC CHIP 0.22UF	10.00% 25V	C8861		CERAMIC CHIP 1UF	16V
C8607	1-104-664-11		20.00% 16V	C8862		CERAMIC CHIP 1UF	16V
C8608	1-104-664-11		20.00% 16V	C8863		CERAMIC CHIP 0.1UF	10.00% 25V
C8609		CERAMIC CHIP 0.22UF	10.00% 25V	C8864		CERAMIC CHIP 1UF	16V
C8610	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8865	1-104-664-11	ELECT 47UF	20.00% 16V
C8611	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8866	1-164-346-11	CERAMIC CHIP 1UF	16V
C8612	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8867	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
				115			



REF. NO.	PART.NO DESCRIPTION	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C8868	1-126-964-11	ELECT 10UF	20.00% 50V	D8811	8-719-158-49	DIODE UDZ-TE-17-12B	
C8869	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D8812	8-719-158-49	DIODE UDZ-TE-17-12B	
C8896	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	D8813	8-719-158-49	DIODE UDZ-TE-17-12B	
C8897	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	D8814	8-719-158-49	DIODE UDZ-TE-17-12B	
C8898	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V	D8900	8-719-056-85	DIODE UDZS-TE-17-8.2B	
00000	1 162 227 11	CERAMIC CHIP 10PF	0 E0DE E0W	D0001	0 710 150 40	DIONE UNG ME 17 10D	
C8899			0.50PF 50V	D8901		DIODE UDZ-TE-17-12B	
C8900		CERAMIC CHIP 100PF	5.00% 50V	D8902		DIODE UDZS-TE-17-8.2B	
C8901		CERAMIC CHIP 0.0047UF	10.00% 50V	D8903		DIODE UDZS-TE-17-8.2B	
C8902		CERAMIC CHIP 0.0047UF	10.00% 50V	D8904		DIODE UDZS-TE-17-8.2B	
C8903	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	D8905	8-719-056-85	DIODE UDZS-TE-17-8.2B	
C8904	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	D8906	8-719-056-85	DIODE UDZS-TE-17-8.2B	
C8905	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	D8907	8-719-158-49	DIODE UDZ-TE-17-12B	
C8906	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	D8908	8-719-056-85	DIODE UDZS-TE-17-8.2B	
C8907		CERAMIC CHIP 0.0047UF	10.00% 50V	D8909		DIODE UDZS-TE-17-8.2B	
C8908		CERAMIC CHIP 100PF	5.00% 50V	D8910		DIODE UDZS-TE-17-8.2B	
	2 200 202 22		2.000	20,20	3 .23 000 00		
C8909	1-163-017-00		10.00% 50V	D8911		DIODE UDZS-TE-17-8.2B	
C8910	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	D8912	8-719-158-49	DIODE UDZ-TE-17-12B	
C8911	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	D8913	8-719-158-49	DIODE UDZ-TE-17-12B	
C8914	1-126-933-11	ELECT 100UF	20.00% 16V	D8914	8-719-158-49	DIODE UDZ-TE-17-12B	
C8977	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	D8915	8-719-158-49	DIODE UDZ-TE-17-12B	
C8978	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V		< FILTER	>	
	< FILTER	>		FL8200	1-236-071-11	ENCAPSULATED COMPONENT	
	,	•		FL8201	1-233-764-21		
CF8200	1-409-327-00	TRAP, CERAMIC (6.5MHZ)		FL8203		ENCAPSULATED COMPONENT	
010200	1 100 017 00	11111/ 021111110 (0.011111)		FL8302		ENCAPSULATED COMPONENT	
	< CONNECT	OR >		FL8304		ENCAPSULATED COMPONENT	
CN8101		CONNECTOR, BOARD TO BOA	ARD 50P	FL8308		ENCAPSULATED COMPONENT	
CN8900		SOCKET, PIN 21P		FL8801		ENCAPSULATED COMPONENT	
CN8901	1-695-293-11			FL8802	1-236-071-11	ENCAPSULATED COMPONENT	
CN8902	1-695-293-11	SOCKET 21P			< IC >		
	< DIODE >	•			110 /		
				IC8101	8-759-576-76	IC TDA2822D013TR	
D8153	8-719-056-83	DIODE UDZ-TE-17-6.8B		IC8151	8-752-072-94	IC CXA1875AM-T4	
D8200	8-719-158-49	DIODE UDZ-TE-17-12B		IC8200		IC MSP3410D-C5QA-B4	
D8201		DIODE UDZ-TE-17-12B		IC8201		IC MC3403NS-E20	
D8202		DIODE UDZ-TE-17-12B		IC8202	8-759-908-15		
D8203		DIODE UDZ-TE-17-12B		100202	J .JJ J00 1J		
	J .25 200 17			IC8301	8-752-096-06	IC CXA2163Q-T6	
D8801	8-719-158-49	DIODE UDZ-TE-17-12B		IC8302		IC TC7SET08FU(TE85R)	
D8802		DIODE UDZ-TE-17-12B		IC8601	8-759-182-88		
D8803		DIODE UDZ-TE-17-12B		IC8602		IC LF50CDT-TR	
D8804		DIODE UDZ-TE-17-12B		IC8603		IC LF50CDT-TR	
D8805		DIODE UDZ-TE-17-12B		100003	0 139-310-12	TO HEDUCHI-IV	
בטסטט	0-113-130-49	DIONE ONG-15-11-159		IC8604	8-759-576-72	IC LF50CDT-TR	
D8806	8-719-158-49	DIODE UDZ-TE-17-12B		IC8801		IC CXA2149AQ-TL	
D8807		DIODE UDZ-TE-17-12B		1		- · · · · · · ·	
D8808		DIODE UDZ-TE-17-12B			< SOCKET	>	
D8809		DIODE UDZ-TE-17-12B			COOKET	•	
D8810	8-719-158-49	DIODE UDZ-TE-17-12B		J8901	1-774-747-11	JACK BLOCK, PIN	

REF. NO.	PART.NO	DESCRIPTION	N		REMARK	RI	EF. NO.	PART.NO	DESCRIPTIO	N		REMARK
	< COIL >					R	8175	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
						R	8176	1-216-295-91	SHORT	0		
L8150	1-414-757-11	INDUCTOR	100UH			R	8178	1-216-073-00	RES-CHIP	10K	5%	1/10W
L8200	1-412-006-31	INDUCTOR CHI	P 10UH			R	8200	1-216-049-91	RES-CHIP	1K	5%	1/10W
L8201	1-412-064-11	INDUCTOR CHI	P 100UH	I		RE	8201	1-216-295-91	SHORT	0		
	< TRANSIS	STOR >				RE	8202	1-216-021-00	RES-CHIP	68	5%	1/10W
							8203	1-216-069-00	RES-CHIP	6.8K		1/10W
Q8100	8-729-120-28	TRANSISTOR 25	SC2412K-	T-146	5-R		8204	1-216-049-91		1K	5%	1/10W
Q8101	8-729-120-28		SC2412K-	T-146	5-R		8205	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
Q8156	8-729-120-28	TRANSISTOR 25	SC2412K-	T-146	5-R	R	8206	1-216-049-91	RES-CHIP	1K	5%	1/10W
Q8157	8-729-120-28	TRANSISTOR 2	SC2412K-	T-146	5-R							
Q8200	8-729-120-28	TRANSISTOR 2	SC2412K-	T-146	5-R	R	8208	1-216-037-00	RES-CHIP	330	5%	1/10W
						R	8209	1-216-659-11	METAL CHIP	2.2K	0.5%	1/10W
Q8201	8-729-120-28	TRANSISTOR 2	SC2412K-	T-146	5-R	R	8210	1-216-025-91	RES-CHIP	100	5%	1/10W
Q8202	8-729-120-28	TRANSISTOR 2	SC2412K-	T-146	5-R	R	8211	1-216-295-91	SHORT	0		
Q8303	8-729-120-28	TRANSISTOR 2	SC2412K-	T-146	5-R	R	8212	1-216-295-91	SHORT	0		
Q8305	8-729-120-28	TRANSISTOR 2	SC2412K-	T-146	5-R							
Q8306	8-729-120-28	TRANSISTOR 2	SC2412K-	T-146	5-R	R	8213	1-216-295-91	SHORT	0		
						R	8216	1-216-025-91	RES-CHIP	100	5%	1/10W
Q8308	8-729-038-96	TRANSISTOR IN	MZ1A-T10	9		R	8217	1-216-025-91	RES-CHIP	100	5%	1/10W
Q8309	8-729-038-96	TRANSISTOR IN	MZ1A-T10	9		R	8218	1-216-049-91	RES-CHIP	1K	5%	1/10W
Q8310	8-729-038-96	TRANSISTOR IN	MZ1A-T10	9		R	8219	1-216-025-91	RES-CHIP	100	5%	1/10W
Q8809	8-729-216-22	TRANSISTOR 2	SA1037K-	T-146	5-R							
Q8817	8-729-120-28	TRANSISTOR 2	SC2412K-	T-146	5-R	R	8220	1-216-025-91	RES-CHIP	100	5%	1/10W
_						R	8221	1-216-025-91	RES-CHIP	100	5%	1/10W
Q8818	8-729-120-28	TRANSISTOR 25	SC2412K-	T-146	5-R	R	8222	1-216-295-91	SHORT	0		
Q8819	8-729-120-28	TRANSISTOR 25	SC2412K-	T-146	5-R	R	8223	1-216-089-91	RES-CHIP	47K	5%	1/10W
Q8901	8-729-120-28	TRANSISTOR 25	SC2412K-	T-146	5-R	R	8224	1-216-089-91	RES-CHIP	47K	5%	1/10W
Q8902	8-729-216-22	TRANSISTOR 2	SA1037K-	T-146	5-R							
						R	8225	1-216-089-91	RES-CHIP	47K	5%	1/10W
	< RESISTO	OR >				R	8226	1-216-089-91	RES-CHIP	47K	5%	1/10W
						R	8227	1-216-089-91	RES-CHIP	47K	5%	1/10W
JR8402	1-216-295-91	SHORT	0			R	8228	1-216-089-91	RES-CHIP	47K	5%	1/10W
						RE	8229	1-216-295-91	SHORT	0		
R8103	1-216-075-00	RES-CHIP	12K	5%	1/10W							
R8104	1-216-075-00	RES-CHIP	12K	5%	1/10W	R	8230	1-216-081-00	RES-CHIP	22K	5%	1/10W
R8105	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R	8231	1-216-089-91	RES-CHIP	47K	5%	1/10W
R8106	1-216-081-00	RES-CHIP	22K	5%	1/10W	R	8232	1-216-089-91	RES-CHIP	47K	5%	1/10W
R8107	1-216-081-00	RES-CHIP	22K	5%	1/10W	R	8233	1-216-089-91	RES-CHIP	47K	5%	1/10W
						R	8234	1-216-089-91	RES-CHIP	47K	5%	1/10W
R8108	1-216-057-00	RES-CHIP	2.2K	5%	1/10W							
R8109	1-249-389-11	CARBON	4.7	5%	1/4W	R	8235	1-216-089-91	RES-CHIP	47K	5%	1/10W
R8110	1-249-389-11	CARBON	4.7	5%	1/4W	R	8236	1-216-089-91	RES-CHIP	47K	5%	1/10W
R8111	1-216-033-00	RES-CHIP	220	5%	1/10W	R	8237	1-216-043-91	RES-CHIP	560	5%	1/10W
R8112	1-216-033-00	RES-CHIP	220	5%	1/10W	R	8238	1-216-063-91	RES-CHIP	3.9K	5%	1/10W
						R	8239	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
R8115	1-216-029-00	RES-CHIP	150	5%	1/10W							
R8116	1-216-029-00	RES-CHIP	150	5%	1/10W	R	8240	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R8117	1-216-029-00	RES-CHIP	150	5%	1/10W	R	8243	1-216-021-00	RES-CHIP	68	5%	1/10W
R8118	1-216-029-00	RES-CHIP	150	5%	1/10W	R	8300	1-216-295-91	SHORT	0		
R8165	1-216-295-91	SHORT	0			R	8302	1-216-017-91	RES-CHIP	47	5%	1/10W
						R	8306	1-216-083-00	RES-CHIP	27K	5%	1/10W
R8167	1-216-025-91	RES-CHIP	100	5%	1/10W							
R8168	1-216-025-91	RES-CHIP	100	5%	1/10W	R	8308	1-216-039-00	RES-CHIP	390	5%	1/10W
R8174	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R	8309	1-216-055-91	RES-CHIP	1.8K	5%	1/10W
						117						



REF. NO.	O. PART.NO DESCRIPTION		T.NO DESCRIPTION REMARK		REF. NO.	PART.NO	DESCRIPTION			REMARK		
R8310	1-216-037-00	RES-CHIP	330	5%	1/10W	R8861	1-216-295-91	SHORT	0			
R8312	1-216-091-00	RES-CHIP	56K	<b>5</b> %	1/10W	R8863	1-216-295-91	SHORT	0			
R8313	1-216-081-00	RES-CHIP	22K	5%	1/10W	R8865	1-216-022-00	RES-CHIP	75	5%	1/10W	
R8314	1-216-295-91	SHORT	0			R8866	1-216-022-00	RES-CHIP	75	5%	1/10W	
R8315	1-216-121-91	RES-CHIP	1M	5%	1/10W	R8867	1-216-049-91	RES-CHIP	1K	5%	1/10W	
R8316	1-216-037-00	RES-CHIP	330	5%	1/10W	R8868	1-216-017-91	RES-CHIP	47	5%	1/10W	
R8317	1-216-295-91	SHORT	0			R8869	1-216-017-91	RES-CHIP	47	5%	1/10W	
R8318	1-216-295-91	SHORT	0			R8871	1-216-049-91	RES-CHIP	1K	5%	1/10W	
R8319	1-216-295-91	SHORT	0			R8872	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	
R8320	1-216-041-00	RES-CHIP	470	5%	1/10W	R8873	1-216-113-00	RES-CHIP	470K	5%	1/10W	
R8322	1-216-049-91	RES-CHIP	1K	5%	1/10W	R8874	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	
R8323	1-216-017-91	RES-CHIP	47	5%	1/10W	R8875	1-216-113-00	RES-CHIP	470K		1/10W	
R8324	1-216-041-00		470	5%	1/10W	R8876	1-216-093-91		68K	5%	1/10W	
R8326	1-216-017-91		47	5%	1/10W	R8877	1-216-093-91		68K	5%	1/10W	
R8328	1-216-025-91	RES-CHIP	100	5%	1/10W	R8878	1-216-057-00		2.2K		1/10W	
R8329	1-216-025-91	RES-CHIP	100	5%	1/10W	R8879	1-216-689-11	METAL CHIP	39K	0.5%	1/10W	
R8330	1-216-041-00		470	5%	1/10W	R8880	1-216-295-91	SHORT	0		•	
R8331	1-216-041-00		470	5% 5%	1/10W	R8881	1-216-089-91		47K	5%	1/10W	
R8332	1-216-041-00		470	5% 5%	1/10W	R8882	1-216-079-00		18K	5%	1/10W	
R8333	1-216-041-00		470	5%	1/10W	R8883	1-216-645-11		560		1/10W	
R8334	1-216-041-00	RES-CHIP	470	5%	1/10W	R8885	1-216-645-11	METAL CHIP	560	0.5%	1/10W	
R8336	1-216-041-00		470	5% 5%	1/10W	R8888	1-216-033-00		220	5%	1/10W	
R8337	1-216-041-00		470	5%	1/10W	R8889	1-216-033-00		220	5%	1/10W	
R8338	1-216-017-91		47	5% 5%	1/10W	R8890	1-216-295-91	SHORT	0	•	-/	
R8339	1-216-017-91		47	5%	1/10W	R8892	1-216-295-91		0			
R8340	1-216-063-91	RES-CHIP	3.9K	5%	1/10W	R8893	1-216-295-91	SHORT	0			
R8341	1-216-041-00		470	5%	1/10W	R8900	1-216-039-00		390	5%	1/10W	
R8344	1-216-091-00		56K	5%	1/10W	R8901	1-216-049-91		1K	5%	1/10W	
R8345	1-216-079-00		18K	5%	1/10W	R8902	1-216-039-00		390	5%	1/10W	
R8346	1-216-091-00		56K	5%	1/10W	R8903	1-216-089-91		47K	5%	1/10W	
R8347	1-216-079-00	RES-CHIP	18K	5%	1/10W	R8904	1-216-089-91	RES-CHIP	47K	5%	1/10W	
R8551	1-216-295-91		0	. •	•	R8905	1-216-113-00		470K		1/10W	
R8552	1-216-295-91		0			R8906	1-216-035-00		270	5%	1/10W	
R8553	1-216-295-91		0			R8907	1-216-057-00		2.2K		1/10W	
R8806	1-216-085-00		33K	5%	1/10W	R8908	1-216-035-00		270	5%	1/10W	
R8807	1-216-089-91	RES-CHTP	47K	5%	1/10W	R8909	1-216-049-91	RES-CHTP	1K	5%	1/10W	
R8820	1-216-295-91		0	- 0	=, =	R8911	1-216-025-91		100	5%	1/10W	
R8826	1-216-051-00		1.2K	5%	1/10W	R8913	1-216-022-00		75	5%	1/10W	
R8836	1-216-025-91		100	5%	1/10W	R8914	1-216-071-00		8.2K		1/10W	
R8841	1-216-025-91		100	5%	1/10W	R8915	1-216-022-00		75	5%	1/10W	
R8846	1-216-295-91	SHORT	0			R8916	1-216-017-91	RES-CHIP	47	5%	1/10W	
R8854	1-216-029-00		150	5%	1/10W	R8917	1-216-017-91		47	5%	1/10W	
R8855	1-216-029-00		180	ა 5%	1/10W 1/10W	R8918	1-216-017-91		470K		1/10W 1/10W	
R8856	1-216-051-00		1.8K		1/10W 1/10W	R8919	1-216-113-00		2.2K		1/10W 1/10W	
R8857	1-216-089-91		47K		1/10W 1/10W	R8922	1-216-037-00		75	5%	1/10W	
R8858	1-216-079-00	סקק_רטדה	18K	<b>5</b> 9	1/10W	R8923	1-216-022-00	סקק-רטדה	75	<b>5</b> 9	1 /1 ∩ធ	
					•				75 75	5% ⊑∘	1/10W	
R8859	1-216-057-00	KE2-CHIP	2.2K	<b>3</b> 8	1/10W	R8924	1-216-022-00	KE2-CHIP	75	5%	1/10W	



REF. NO.	PART.NO	DESCRIPTION	N		REMARK	REF. NO.	PART.NO	DESCRIP	TION	REMARK
R8925	1-216-022-00	RES-CHIP	75	5%	1/10W	R8980	1-216-045-00	RES-CHIP	680 5%	1/10W
R8926	1-216-017-91	RES-CHIP	47	5%	1/10W	R8981	1-216-089-91		47K 5%	
R8927	1-216-017-91	RES-CHIP	47	5%	1/10W	R8982	1-216-079-00	RES-CHIP	18K 5%	
R8928	1-216-017-91		47	5%	1/10W	R8996	1-216-059-00	RES-CHIP	2.7K 5%	
R8929	1-216-039-00		390	5%	1/10W	R8997	1-216-071-00		8.2K 5%	
1.0323	1 110 037 00	NEO ONII	330	•	2/ 2011	1.0337	1 210 071 00	1110 0111	0.LN 00	1/1011
R8930	1-216-049-91	RES-CHIP	1K	5%	1/10W	R8998	1-216-041-00	RES-CHIP	470 5%	1/10W
R8931	1-216-039-00	RES-CHIP	390	5%	1/10W					
R8932	1-216-049-91	RES-CHIP	1K	5%	1/10W		< CRYSTAI	<b>&gt;</b>		
R8933	1-216-089-91	RES-CHIP	47K	5%	1/10W					
R8934	1-216-089-91	RES-CHIP	47K	5%	1/10W	X8200	1-781-148-21	VIBRATOR,	CRYSTAL	
						X8301	1-781-612-11	VIBRATOR,	CRYSTAL	
R8935	1-216-113-00	RES-CHIP	470K	5%	1/10W					
R8936	1-216-113-00	RES-CHIP	470K	5%	1/10W	*A-16	44-108-A V	M Board	, Complete	
R8937	1-216-035-00	RES-CHIP	270	5%	1/10W				,	
R8938	1-216-057-00	RES-CHIP	2.2K	5%	1/10W		4-382-854-11	CODEM /MS	עווע מיינוע	11
R8939	1-216-035-00	RES-CHIP	270	5%	1/10W		4-302-034-11	SCREW (MS.	A10), P, SW (	Τ)
							< CAPACIT	'OR >		
R8940	1-216-057-00		2.2K	5%	1/10W					
R8941	1-216-025-91	RES-CHIP	100	5%	1/10W	C5400	1-107-883-11	ELECT	330UF	20.00% 16V
R8942	1-216-009-91	RES-CHIP	22	5%	1/10W	C5401	1-126-935-11		470UF	20.00% 16V
R8943	1-216-022-00	RES-CHIP	75	5%	1/10W	C5402	1-137-150-11		0.01UF	5.00% 50V
R8944	1-216-071-00	RES-CHIP	8.2K	5%	1/10W	C5403	1-126-935-11		470UF	20.00% 6.3V
						C5405	1-126-933-11		100UF	20.00% 0.3V 20.00% 16V
R8945	1-216-022-00	RES-CHIP	75	5%	1/10W	63403	1-120-933-11	FDECI	10001	20.00% 100
R8946	1-216-017-91	RES-CHIP	47	5%	1/10W	C5406	1-126-935-11	מי סיים	470UF	20.00% 6.3V
R8947	1-216-039-00	RES-CHIP	390	5%	1/10W	C5407	1-120-935-11		0.01UF	10.00% 200V
R8948	1-216-049-91	RES-CHIP	1K	5%	1/10W					
R8949	1-216-022-00	RES-CHIP	75	5%	1/10W	C5408	1-107-364-11		0.01UF	10.00% 200V
						C5409	1-107-649-11		2.2UF	20.00% 250V
R8950	1-216-089-91	RES-CHIP	47K	5%	1/10W	C5410	1-130-471-00	MYLAK	0.001UF	5.00% 50V
R8951	1-216-017-91		47	5%	1/10W	25444	1 100 171 00		0.001	F 000 F0
R8952	1-216-113-00	RES-CHIP	470K	5%	1/10W	C5411	1-130-471-00		0.001UF	5.00% 50V
R8953	1-216-035-00	RES-CHIP	270	5%	1/10W	C5412	1-126-935-11		470UF	20.00% 16V
R8954	1-216-057-00		2.2K	5%	1/10W	C5413	1-126-935-11		470UF	20.00% 16V
					_,	C5414	1-107-652-11		10UF	20.00% 250V
R8955	1-216-039-00	RES-CHIP	390	5%	1/10W	C5415	1-107-363-91	MYLAK	0.0068UF	10.00% 200V
R8956	1-216-049-91	RES-CHIP	1K	5%	1/10W	05417	1 100 514 01	CEDANTO	0000	F 000 F017
R8957	1-216-025-91	RES-CHIP	100	5%	1/10W	C5417	1-102-514-91		22PF	5.00% 50V
R8958	1-216-089-91	RES-CHIP	47K	5%	1/10W	C5418	1-102-947-00	CERAMIC	10PF	0.50PF 50V
R8959	1-216-022-00	RES-CHIP	75	5%	1/10W			100 \		
					•		< CONNECT	:OR >		
R8960	1-216-017-91	RES-CHIP	47	5%	1/10W	CN5402	*1-564-506-51	PLUG CON	NECTOR 3P	
R8961	1-216-022-00	RES-CHIP	75	5%	1/10W	CN5444	*1-770-723-11	•		מפ חתג
R8962	1-216-071-00	RES-CHIP	8.2K	5%	1/10W	CN5444 CN5602	*1-568-881-51		•	AND OF
R8963	1-216-113-00	RES-CHIP	470K	5%	1/10W	CNSOUZ	*1-300-001-31	PIN, CONN.	ECTOR OF	
R8964	1-216-035-00	RES-CHIP	270	5%	1/10W		∠ DIODE \			
							< DIODE >			
R8965	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	D5400	8-719-991-33	DIODE 199	133T-77	
R8968	1-216-022-00	RES-CHIP	75	5%	1/10W	D5400 D5401	8-719-510-02			
R8969	1-216-017-91	RES-CHIP	47	5%	1/10W	D5401 D5402				
R8974	1-216-057-00	RES-CHIP	2.2K	5%	1/10W		1-535-143-61		-	
R8977	1-216-037-00		330	5%	1/10W	D5403	8-719-991-33			
•					•	D5404	8-719-991-33	DIODE 188	155T-77	
R8978	1-216-037-00	RES-CHIP	330	5%	1/10W	D5405	8-719-924-11	חורטה אייים	T_T_77_99	
R8979	1-216-045-00	RES-CHIP	680	5%	1/10W	D5405 D5406	8-719-924-11			
						טענע 10400	0-113-324-11	DIODE WIZ	0-1-11 <b>-</b> 22	
					4	10				



REF. NO.	PART.NO	DESCRIPTION	N	REMARK	REF. NO.	PART.NO	DESCRIPTION	<b>N</b>		REMARK
	< FERRITE	BEAD >			R5428	1-249-413-11	CARBON	470	5%	1/4W
					R5429	1-249-413-11	CARBON	470	5%	1/4W
FB5400	1-535-143-61	LEAD, JUMPER	(5.0MM)		R5430	1-249-417-11	CARBON	1K	5%	1/4W
FB5401	1-535-143-61	LEAD, JUMPER	(5.0MM)		R5432	1-249-415-11	CARBON	680	5%	1/4W
					R5433	1-249-400-11	CARBON	39	5%	1/4W
	< COIL >				R5434	1-249-395-11	CARBON	15	5%	1/4W
L5400	1-410-784-41	INDUCTOR	0.18UH							•
L5401	1-408-602-31	INDUCTOR	8.2UH							
	< TRANSIS	TOR >								
Q5400	8-729-119-78	TRANSISTOR 25	SC1740S-RT							
Q5401	8-729-119-78	TRANSISTOR 25	SC1740S-RT							
Q5402	8-729-119-78	TRANSISTOR 25	SC1740S-RT							
Q5403	8-729-119-78	TRANSISTOR 25	SC1740S-RT							
Q5404	8-729-026-39	TRANSISTOR 25	SA933AS-RT							
Q5405	8-729-026-39	TRANSISTOR 25	SA933AS-RT							
Q5406		TRANSISTOR 25								
Q5407		TRANSISTOR 25								
Q5408		TRANSISTOR 25								
Q5409		TRANSISTOR 25								
	< RESISTO	R >								
R5401	1-247-843-11		3.3K 5%	•						
R5402	1-249-413-11		470 5%	•						
R5403	1-249-393-11	CARBON	10 5%							
R5404	1-249-420-11		1.8K 5%							
R5405	1-249-425-11	CARBON	4.7K 5%	1/4W						
R5406	1-249-425-11	CARBON	4.7K 5%	1/4W						
R5407	1-249-399-11	CARBON	33 5%	1/4W						
R5408	1-247-807-31	CARBON	100 5%	1/4W						
R5409	1-249-409-11	CARBON	220 5%							
R5410	1-249-401-11		47 5%							
R5411	1-249-401-11	CARBON	47 5%	1/4W						
R5412	1-249-429-11		10K 5%							
R5413	1-249-414-11		560 5%							
R5414	1-249-432-11		18K 5%	•						
R5415	1-247-739-11		100 5%	•						
R5416	1-249-389-11	CARBON	4.7 5%	1/4W						
R5417	1-249-432-11		18K 5%							
R5417	1-249-432-11		560 5%							
R5419	1-249-421-11		2.2K 5%	•						
R5419	1-249-421-11		2.2K 5%							
DE 401	1 040 000 41	anno	2.2 = -	1 / 473						
R5421	1-249-387-11		3.3 5%							
R5422	1-249-405-11		100 5%	•						
R5423	1-215-915-11		470 5%	3W						
R5425	1-535-143-61	LEAD, JUMPER	(5.0MM)							
R5427	1-249-401-11		47 5%	1/4W						

The components identified by shading and marked ⚠ are critical for safety Replace only with the part number specified.

REF. NO. PART.NO DESCRIPTION REMARK REF. NO. PART.NO DESCRIPTION REMARK

## **MISCELLANEOUS**

△ 1-416-654-11 COIL DEMAGNETIC

1-452-032-00 MAGNET, DISK; 10MM

1-452-094-00 MAGNET, ROTATABLE DISK; 15MM

△ 1-453-340-11 TRANSFORMER ASSY, FLYBACK (NX4522//U214)

1-529-899-11 SPEAKER (24x4.2CM)

1-452-896-11 COIL, NA ROTATION (RT200)

△ 1-571-433-21 SWITCH, PUSH (AC POWER)

△ 1-792-389-11 CORD, POWER

△ 8-453-011-11 NECK ASSY, (NA-299-M)

1-693-340-11 TUNER/VIF(FR) (KV-29FX65B)

1-693-338-11 TUNER/VIF(AEP) (KV-29FX65E/29FX65K)

△ 8-735-053-05 PICTURE TUBE (M68LNH060X)

△ 8-451-504-31 DEFLECTION YOKE (Y29RSC-S)

△ 1-251-807-22 CAP ASSY, HIGH VOLTAGE

1-790-082-11 CABLE, RF

1-529-417-11 SPEAKER (8CM)

## **ACCESSORIES AND PACKAGING MATERIALS**

4-205-738-21 MANUAL, INSTRUCTION (KV-29FX65B)

(GERMAN/FRENCH/ITALIAN/DUTCH)

4-205-738-11 MANUAL, INSTRUCTION (KV-29FX65E)

(GERMAN)

4-205-738-41 MANUAL, INSTRUCTION (KV-29FX65E)

(DANISH/SPANISH/FINNISH/NORWEGIAN/PORTUGUESE/

GERMAN/GREEK/ITALIAN/TURKISH)

4-205-738-31 MANUAL, INSTRUCTION (KV-29FX65K)

(BULGARIAN/CZECH/ENGLISH/HUNGARIAN/

POLISH/RUSSIAN)

*4-029-168-01 BAG, PROTECTION

*4-205-494-01 INDIVIDUAL CARTON

*4-205-495-01 CUSHION (UPPER) (ASSY)

*4-205-496-01 CUSHION (LOWER) (ASSY)

## **REMOTE COMMANDER**

1-418-476-21 REMOTE COMMANDER (RM-887)



A new TV Repair Assistance Tool that combines ease of use and powerful PC software tools to allow you to save valuable time during many TV repairs.



The TRACE interface connects to the PC's serial port. It provides connection to the TV's I²C bus and can be provided with an InfraRed transmitter (optional).

The interface is powered by a standard 9 V PP3 battery for portable use, and can also be powered by an external 9V/25mA DC power supply.

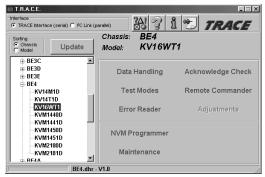
The TRACE software that is supplied with the interface allows you to:

- Read, restore and compare NVM contents via the I2C bus
- Acknowledge check of all I2C devices in the TV set
- Read Error Codes (emulation of the Error Reader tool)

With the optional IR Add-on kit, the following features can be added:

- Remote Commander emulation
- User programmable Functional Check through Infrared
- Fast and documented Test Mode setting of all Sony TV chassis

Additional features such as Adjustments and Troubleshooting are available in chassis-dependent software modules. Please contact your local Sony Service organisation for the latest information.



Note: For workshops already using the existing 1²C Link parallel port interface (9-948-320-30), this software can be used as well, replacing the TV Data Handling software (9-948-340-50), but Error Reader and IR functions can only be accessed with the TRACE interface.

Partnumbers: TRACE Starter Kit (TRACE interface + software): 9-948-320-70

TRACE Software (for users of the I²C Link interface): 9-948-340-80 TRACE IR Add-on (IR interface + Remote Commander software): 9-948-320-80

PC requirements: IBM-compatible PC with operating system Windows95, Windows98, or WindowsNT*.

* WindowsNT only supported with TRACE interface